



Email: [global.sales@hyxipower.com](mailto:global.sales@hyxipower.com)  
Website: [www.hyxipower.com](http://www.hyxipower.com)



Official Website



Follow Us

# PRODUCT CATALOGUE

SMARTER ENERGY FOR ALL





**About HYXI**  
03 ~ 06

**Micro ESS**  
07 ~ 14

**Residential ESS**  
15 ~ 38

**Microinverter**  
39 ~ 48

**Residential String Inverter**  
49 ~ 66

**C&I PV and ESS**  
67 ~ 80

**Utility PV and ESS**  
81 ~ 86

**Accessories**  
87 ~ 96

**HYXI Cloud**  
97 ~ 98

**Global Cases**  
99 ~ 104





## Smarter Energy for All

### Our Core Values

Quality, Innovation, Efficiency, Win-win

### Our Mission

Enjoy Green Energy Globally

### Our Vision

To Be the World-Leading Provider of Smart Renewable Energy Solutions

## About HYXI

HYXI (formerly "HYXiPOWER") is a global renewable technology company specializing in smart PV and energy storage solutions.

Integrating R&D, manufacturing, sales and services, the company delivers inverters, ESS and smart energy platforms for residential, C&I and utility-scale applications.

Built on over 100 core intellectual properties, more than 400 international certifications and 12 Global Technical Assistance Centers (GTACs) across six continents, HYXI collaborates with partners worldwide to advance smarter energy for all.



# **HYXIONE Service**

One Touch, Global Care



|                                                                                                                        |                                                                                                                                      |                                                                                                                          |
|------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
|  <b>20+</b><br>Years R&D Experience |                                                   |  <b>100+</b><br>Countries & Regions |
|  <b>70%</b><br>R&D Personnel        |  <b>12</b><br>Global Technical Assistance Centers |  <b>24/7</b><br>Customer Support    |
|                                     |  <b>100+</b><br>Core Intellectual Properties      |                                     |
|  <b>14</b><br>Spare Parts Centers   |  <b>200+</b><br>Local Professionals               |  <b>1,000+</b><br>Service Partners  |

# **HYXI Lab**

Ensuring Safety in Every Watt

300+  
Advanced Experimental Capabilities

82-Day  
Environmental Reliability Load Test

|                                                                                                                  |                                                                                                          |
|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
|  <b>Water Immersion Test</b> |  <b>Freezing Test</b> |
|                                                                                                                  |  <b>HALT</b>         |

# **Top-Tier Manufacturing & Supply**

40,000+ Square Meters of Excellence

|                                                                                                                                                             |                                                                                                                                                           |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <b>Green Production Line</b><br>Hangzhou · China Main Production Base |  <b>AI Driven Smart Production</b><br>Jinhua · China Battery Factory |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|





### VPP-Powered Energy Gains

### 3000W Bidirectional Inverter Integrated

### -20°C Operation

### IP66

### Smart Balancing for Longer Battery Life

| Traditional Batteries | Our Batteries |
|-----------------------|---------------|
| 96%                   | 96%           |
| 96%                   | 96%           |
| 60%                   | 70%           |

### 3kWh Battery Storage Capacity

### 10000 Life Cycles Built to Last

### 25db Whisper Quiet

### 5mins Setup

### AI-Optimized Energy Usage

### Ultimate Safety

- Auto-Extinguisher System
- Automotive-Grade BMS
- Advanced Thermal Control

### 0 Waste with Smart Meter

### Compatible with



# HYXI Halo

## AC-Coupled Micro ESS

MS3000AC + MS3000B

### Advanced Performance

- 3014Wh | 10000 Cycles | 10-Year Warranty
- Operates at -20°C with Self-Heating
- 3000W Bidirectional Inverter Integrated
- 3000W Off Grid Power for Portable Use

### Flexible Adaptability

- Up to 18.086kWh Stackable Capacity
- Multi-Scenario Use
- Smart Meter Optimization
- Works with Any Solar System

### Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

### Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

### HYXI Halo AC-Coupled Micro ESS

| Model                               | HYX-MS3000AC                                                                                          |
|-------------------------------------|-------------------------------------------------------------------------------------------------------|
| AC Output (On-Grid Terminal)        |                                                                                                       |
| Nominal Output Apparent Power       | 800VA (Default) /1,500VA (*Premium)                                                                   |
| Max. AC Output Apparent Power       | 1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)                        |
| Rated AC Output Voltage/Range       | 220V or 230V or 240V/183V ~ 276V                                                                      |
| Nominal AC Frequency/Range          | 50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz                                                                  |
| Rated AC Output Current             | 3.64A/3.48A/3.34A (Default) 6.82A/6.53A/6.25A (*Premium)                                              |
| Max. AC Output Current              | 6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.05A/12.50A (With Extension Battery Pack) |
| Power Factor Range                  | > 0.99 (Default) /0.8 Leading...0.8 Lagging (Adjustable)                                              |
| THDi (Rated Power)                  | < 3%                                                                                                  |
| AC Input (On-Grid Terminal)         |                                                                                                       |
| Max. AC Input Apparent Power        | 1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)                        |
| Rated AC Input Voltage/Range        | 220V or 230V or 240V/183V ~ 276V                                                                      |
| Nominal AC Frequency/Range          | 50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz                                                                  |
| Rated AC Input Current              | 6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.0A/12.50A (With Extension Battery Pack)  |
| Power Factor Range                  | > 0.99 (Default) /0.8 Leading...0.8 Lagging (Adjustable)                                              |
| THDi (Rated Power)                  | < 3%                                                                                                  |
| AC Output (Off-Grid Terminal)       |                                                                                                       |
| Rated Output Power                  | 1,500VA (Without Extension Battery Pack) 3,000VA (With Extension Battery Pack)                        |
| Rated Output Current                | 6.82A/6.53A/6.25A (Without Extension Battery Pack) 13.64A/13.05A/12.50A (With Extension Battery Pack) |
| Rated AC Output Voltage/Frequency   | 220V/230V/240V, 50Hz/60Hz                                                                             |
| THDu (Linear Load)                  | < 3%                                                                                                  |
| Battery Data                        |                                                                                                       |
| Battery Chemistry                   | LiFePO4                                                                                               |
| Battery Nominal Voltage             | 9.6V                                                                                                  |
| Battery Nominal Energy              | 3014.4Wh                                                                                              |
| Max. Charging/Discharging Power     | 1,500W (Without Extension Battery Pack) 3,000W (With Extension Battery Pack)                          |
| Battery Cycle Life                  | ≥ 10,000 (@25°C±2°C, 60%EOL)*                                                                         |
| Other Technical Specifications      |                                                                                                       |
| Display                             | LED & App                                                                                             |
| Ingress Protection Rating           | IP66                                                                                                  |
| Operating Ambient Temperature Range | -20 ~ 55°                                                                                             |
| Humidity                            | 5% ~ 95% (No Condensing)                                                                              |
| Altitude                            | 3,000m                                                                                                |
| Dimensions (W*D*H)                  | 460*279*281mm                                                                                         |
| Weight                              | 28kg                                                                                                  |
| Cooling Concept                     | Natural                                                                                               |
| Communication                       | WiFi & Bluetooth                                                                                      |

### HYXI Halo Battery Pack

| Model                           | HYX-MS3000B                  |
|---------------------------------|------------------------------|
| Battery Data                    |                              |
| Battery Chemistry               | LiFePO4                      |
| Battery Nominal Voltage         | 9.6V                         |
| Battery Nominal Energy          | 3014.4Wh                     |
| Max. Charging/Discharging Power | 1,500W/1,500W                |
| Battery Operating Voltage       | 6V ~ 10.95V                  |
| Battery Cycle Life              | ≥ 10000 (@25°C±2°C, 60%EOL)* |
| Parallel Capability             | 5pcs                         |
| Other Technical Specifications  |                              |
| Communication Interfaces        | CAN                          |
| Dimensions (W*D*H)              | 460*274*296.5mm              |
| Weight                          | 26kg                         |
| Operating Temperature Range     | -20°C ~ 55°C                 |
| Max. Operating Altitude         | 3,000m                       |
| Relative Humidity               | 5% ~ 95% (No Condensing)     |
| Installation Style              | Floor-Mounted                |

\*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

\*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.



# HYXI Halo 5

## AC-Coupled Micro ESS

HYX-MS5000AC

### Advanced Performance

- 5,024Wh | 10,000 Cycles | 10-Year Warranty
- Operates at -20°C with Self-Heating
- 2,500W Bidirectional Inverter Integrated
- 3,000W Off Grid Power for Portable Use

### Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

### Flexible Adaptability

- Multi-Scenario Use
- Smart Meter Optimization
- Works with Any Solar System

### Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

### HYXI Halo 5 AC-Coupled Micro ESS 5kWh

| Model                               | HYX-MS5000AC                                              |
|-------------------------------------|-----------------------------------------------------------|
| AC Output (On-Grid Terminal)        |                                                           |
| Max. AC Output Apparent Power       | 2,500VA                                                   |
| Nominal Output Apparent Power       | 800W (Default)/2,500W (*Premium)                          |
| Rated AC Output Voltage/Range       | 220V or 230V or 240V/183V ~ 276V                          |
| Nominal AC Frequency/Range          | 50Hz/45hZ ~ 55Hz or 60Hz/55Hz ~ 65Hz                      |
| Max. AC Output Current              | 10.42A/10.87A/11.37A                                      |
| Rated AC Output Current             | 3.64/3.48/3.34 (Default)<br>10.42/10.87/11.37 (*Premium)  |
| Power Factor Range                  | > 0.99 (Default) / 0.8 Leading...0.8 Lagging (Adjustable) |
| THDi (Rated Power)                  | < 3%                                                      |
| AC Input (On-Grid Terminal)         |                                                           |
| Max. AC Input Apparent Power        | 2,500VA                                                   |
| Rated AC Input Voltage/Range        | 220V or 230V or 240V/183V ~ 276V                          |
| Nominal AC Frequency/Range          | 50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz                      |
| Power Factor Range                  | > 0.99(Default)/0.8 Leading...0.8 Lagging (Adjustable)    |
| THDi (Rated Power)                  | < 3%                                                      |
| AC Output (Off-Grid Terminal)       |                                                           |
| Max. AC Output Power                | 3,000VA, 10s                                              |
| Rated Output Power                  | 2,500W                                                    |
| Rated Output Current                | 10.42A/10.87A/11.37A                                      |
| Rated AC Output Voltage/Frequency   | 220V/230V/240V, 50Hz/60Hz                                 |
| THDu (Linear Load)                  | < 3%                                                      |
| Battery Data                        |                                                           |
| Battery Chemistry                   | LiFePO4                                                   |
| Battery Nominal Voltage             | 16V                                                       |
| Battery Nominal Energy              | 5,024Wh                                                   |
| Max. Charging/Discharging Power     | 2,500W                                                    |
| Battery Cycle Life                  | ≥ 10000 (@25°C±2°C, 60%EOL)*                              |
| Other Technical Specification       |                                                           |
| Display                             | LED & App                                                 |
| Ingress Protection Rating           | IP66                                                      |
| Operating Ambient Temperature Range | -20°C ~ 55°C*                                             |
| Humidity                            | 5% ~ 95% (No Condensing)                                  |
| Altitude                            | 3,000m                                                    |
| Dimension (W*D*H)                   | 460*279*281mm                                             |
| Weight                              | 43kg                                                      |
| Cooling Concept                     | Natural                                                   |
| Communication                       | Wi-Fi & Bluetooth                                         |

\*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

\*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.



# HYXI Halo PV All-in-One Micro ESS

MS3000 + MS3000B



### Advanced Performance

- 4 MPPTs with 2,400W PV Input
- 3,014Wh | 10,000 Cycles | 10-Year Warranty
- 1,500W Bidirectional Inverter Integrated
- 2,300W Off-Grid Power for Portable Use

### Intelligent Design

- Plug & Play Installation in 5 Minutes
- AI Cloud Maximizes Energy Savings with Smart Optimization
- All-in-One System for Effortless Use
- RGB Smart Lighting

### Flexible Adaptability

- Up to 18.086kWh Stackable Capacity
- Multi-Scenario Use
- Smart Meter Optimization
- Operates at -20°C with Self-Heating

### Assured Safety

- 5-Level Safety Protection with Aerosol
- Automotive-Grade A+ Cells
- IP66 Protection

## HYXI Halo PV All-in-One Micro ESS

| Model                                | HYX-MS3000                           |
|--------------------------------------|--------------------------------------|
| DC Input (PV Terminal)               |                                      |
| Max. PV Input Power                  | 2,400W                               |
| Max. PV Input Voltage                | 60V                                  |
| MPPT Voltage Range                   | 16V ~ 60V                            |
| Start-Up Voltage                     | 20                                   |
| Max. PV Input Current                | 4*18A                                |
| Max. Input Short Circuit Current Isc | 4*25A                                |
| No. of MPP Trackers                  | 4                                    |
| AC Output (On-Grid Terminal)         |                                      |
| Nominal Output Apparent Power        | 800VA                                |
| Max. AC Output Apparent Power        | 1,500VA (*Premium)                   |
| Rated AC Output Voltage/Range        | 220V or 230V or 240V/183V ~ 276V     |
| Nominal AC Frequency/Range           | 50Hz/45Hz ~ 55Hz or 60Hz/55Hz ~ 65Hz |
| Rated AC Output Current              | 3.64A/3.48A/3.34A                    |
| Max. AC Output Current               | 6.82A/6.53A/6.25A                    |
| Power Factor Range                   | 0.8 Leading...0.8 Lagging            |
| THDi (Rated Power)                   | < 3%                                 |
| AC Input (On-Grid Terminal)          |                                      |
| Max. AC Input Apparent Power         | 1,500VA                              |
| Max. AC Input Current                | 6.82A/6.53A/6.25A                    |
| Rated AC Input Voltage/Frequency     | 220V/230V/240V, 50Hz/60Hz            |
| AC Output (Off-Grid Terminal)        |                                      |
| Max. Output Power                    | 1,500VA                              |
| Max. AC Output Current               | 6.82A/6.53A/6.25A                    |
| Max. Bypass Output Power             | 2,300VA                              |
| Max. Bypass Output Current           | 10.46A/10.00A/9.59A                  |
| Rated AC Output Voltage/Frequency    | 220V/230V/240V, 50Hz/60Hz            |
| Battery Data                         |                                      |
| Battery Chemistry                    | LiFePO4                              |
| Battery Nominal Voltage              | 9.6V                                 |
| Battery Nominal Energy               | 3014.4Wh                             |
| Max. Charging/Discharging Power      | 1,500W                               |
| Battery Cycle Life                   | ≥ 10,000 (@25°C±2°C, 60%EOL)         |
| Other Technical Specifications       |                                      |
| Display                              | LED & App                            |
| Ingress Protection Rating            | IP66                                 |
| Operating Ambient Temperature Range  | -20°C ~ 55°C*                        |
| Humidity                             | 5% ~ 95% (No Condensing)             |
| Altitude                             | 3,000m                               |
| Dimensions (W*D*H)                   | 460*279*281mm                        |
| Weight                               | 29kg                                 |
| Cooling Concept                      | Natural                              |
| Communication                        | WiFi & Bluetooth                     |

## HYXI Halo Battery Pack

| Model                           | HYX-MS3000B                  |
|---------------------------------|------------------------------|
| Battery Data                    |                              |
| Battery Chemistry               | LiFePO4                      |
| Battery Nominal Voltage         | 9.6V                         |
| Battery Nominal Energy          | 3014.4Wh                     |
| Max. Charging/Discharging Power | 1,500W/1,500W                |
| Battery Operating Voltage       | 6V ~ 10.95V                  |
| Battery Cycle Life              | ≥ 10000 (@25°C±2°C, 60%EOL)* |
| Parallel Capability             | 5pcs                         |
| Other Technical Specifications  |                              |
| Communication Interfaces        | CAN                          |
| Dimensions (W*D*H)              | 460*274*296.5mm              |
| Weight                          | 26kg                         |
| Operating Temperature Range     | -20°C ~ 55°C                 |
| Max. Operating Altitude         | 3,000m                       |
| Relative Humidity               | 5% ~ 95% (No Condensing)     |
| Installation Style              | Floor-Mounted                |

\*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

\*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature range.



# Residential ESS

## Overview

HYXI Residential ESS combines PV generation and storage for self-consumption.

Supporting both grid-connected and off-grid modes, it is ideal for areas with unstable grids or price fluctuations.

Using high-safety lithium iron phosphate batteries, it ensures stable operation and provides emergency power during outages, offering an efficient and energy-saving energy management solution.



# HYXI Aura All-in-One ESS

Single Phase | 3 ~ 12kW  
Three Phase | 5 ~ 30kW



### Advanced Performance

- 63A Maximum Bypass Current
- Whole-Home Backup without a Gateway
- 0ms Switching Time
- 7/9kWh High-Capacity Battery

### Safe & Reliable

- 7-Layer Battery Protection
- Standard Battery Heating
- Automotive-Grade Design & Manufacturing
- 10,000 Life Cycles

### Effortless Installation

- Built-In Meter
- Plug-and-Play 10-Minute Installation
- Flexible Stackable Expansion

### Intelligent Management

- VPP Ready
- Active Balancing Technology Supported
- AI-Based Electricity Price Scheduling
- Integrate the ChatGPT-5x Model

## HYXI Aura Single Phase Energy Controller 3 ~ 6kW

| Model                                        | H3K-HSA2                                                                                                       | H3K6-HSA2                 | H4K-HSA2                  | H4K6-HSA2                 | H5K-HSA2                   | H6K-HSA2                   |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------|---------------------------|---------------------------|---------------------------|----------------------------|----------------------------|
| DC                                           |                                                                                                                |                           |                           |                           |                            |                            |
| Max. PV Input Power                          | 6,000W<br>(3,000W/3,000W)                                                                                      | 7,200W<br>(3,600W/3,600W) | 8,000W<br>(4,000W/4,000W) | 9,200W<br>(4,600W/4,600W) | 10,000W<br>(5,000W/5,000W) | 12,000W<br>(6,000W/6,000W) |
| Max. PV Input Voltage                        | 600V                                                                                                           |                           |                           |                           |                            |                            |
| MPPT Voltage Range                           | 80 ~ 560V                                                                                                      |                           |                           |                           |                            |                            |
| Start-Up Voltage                             | 50V                                                                                                            |                           |                           |                           |                            |                            |
| Max. PV Input Current                        | 2*20A                                                                                                          |                           |                           |                           |                            |                            |
| Max. Input Short Circuit Current Isc         | 2*30A                                                                                                          |                           |                           |                           |                            |                            |
| No. of MPP Trackers                          | 2                                                                                                              |                           |                           |                           |                            |                            |
| Number of String per MPP Trackers            | 1                                                                                                              |                           |                           |                           |                            |                            |
| AC On-Grid Output                            |                                                                                                                |                           |                           |                           |                            |                            |
| Nominal Output Power                         | 3,000W                                                                                                         | 3,680W                    | 4,000W                    | 4,600W                    | 5,000W                     | 6,000W                     |
| Max. AC Output Apparent Power                | 3,300VA                                                                                                        | 3,680VA                   | 4,400VA                   | 4,600VA                   | 5,500VA                    | 6,600VA                    |
| Rated AC Output Voltage/Range                | 220 or 230 or 240/183 ~ 276V                                                                                   |                           |                           |                           |                            |                            |
| Nominal AC Frequency/Range                   | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                     |                           |                           |                           |                            |                            |
| Bypass                                       | 63A                                                                                                            |                           |                           |                           |                            |                            |
| Rated AC Output Current                      | 13.6/13.0/12.5A                                                                                                | 16.8/16.0/15.4A           | 18.2/17.4/16.7A           | 20.9/20.0/19.2A           | 22.7/21.7/20.8A            | 27.3/26.1/25.0A            |
| Max. AC Output Current                       | 15.0/14.3/13.8A                                                                                                | 16.8/16.0/15.4A           | 20.0/19.1/18.3A           | 20.9/20.0/19.2A           | 25.0/23.9/22.9A            | 30.0/28.7/27.5A            |
| Power Factor Range                           | > 0.99/0.8 Leading...0.8 Lagging                                                                               |                           |                           |                           |                            |                            |
| DC Current Injection                         | < 0.5 % In                                                                                                     |                           |                           |                           |                            |                            |
| THDi (Rated Power)                           | < 2%                                                                                                           |                           |                           |                           |                            |                            |
| AC Off-Grid Output                           |                                                                                                                |                           |                           |                           |                            |                            |
| Grid Type                                    | 220 or 230 or 240/183 ~ 276V                                                                                   |                           |                           |                           |                            |                            |
| Nominal Frequency                            | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                     |                           |                           |                           |                            |                            |
| Nominal Output Apparent Power                | 3,000VA                                                                                                        | 3,600VA                   | 4,000VA                   | 4,600VA                   | 5,000VA                    | 6,000VA                    |
| Max. Continuous Output Apparent Power        | 3,300VA                                                                                                        | 3,600VA                   | 4,400VA                   | 4,600VA                   | 5,500VA                    | 6,600VA                    |
| Max. Peak Output Apparent Power              | 6,000VA, 10s                                                                                                   | 7,200VA, 10s              | 8,000VA, 10s              | 9,200VA, 10s              | 10,000VA, 10s              | 12,000VA, 10s              |
| Max. Output Current                          | 15.0/14.3/13.8A                                                                                                | 16.8/16.0/15.4A           | 20.0/19.1/18.3A           | 20.9/20.0/19.2A           | 25.0/23.9/22.9A            | 30.0/28.7/27.5A            |
| Transfer Time                                | 0ms                                                                                                            |                           |                           |                           |                            |                            |
| THDi (Rated Power)                           | < 2%                                                                                                           |                           |                           |                           |                            |                            |
| Efficiency                                   |                                                                                                                |                           |                           |                           |                            |                            |
| Max. Efficiency                              | 98.6%                                                                                                          |                           |                           |                           |                            |                            |
| European Efficiency                          | 98.2%                                                                                                          |                           |                           |                           |                            |                            |
| MPPT Efficiency                              | 99.9%                                                                                                          |                           |                           |                           |                            |                            |
| BAT Charged by PV Max. Efficiency            | 97.7%                                                                                                          |                           |                           |                           |                            |                            |
| BAT Charged/Discharged to AC Max. Efficiency | 97.7%                                                                                                          |                           |                           |                           |                            |                            |
| Other Technical Specifications               |                                                                                                                |                           |                           |                           |                            |                            |
| Display                                      | LED & APP                                                                                                      |                           |                           |                           |                            |                            |
| Ingress Protection                           | IP66                                                                                                           |                           |                           |                           |                            |                            |
| Operating Ambient Temperature Range          | -30 ~ 60°C                                                                                                     |                           |                           |                           |                            |                            |
| Humidity                                     | 5% ~ 95% (No Condensing)                                                                                       |                           |                           |                           |                            |                            |
| Max. Operating Altitude                      | 4,000m                                                                                                         |                           |                           |                           |                            |                            |
| Inverter Dimensions (W*H*D)                  | 795*318*260mm                                                                                                  |                           |                           |                           |                            |                            |
| Inverter Weight                              | < 38kg                                                                                                         |                           |                           |                           |                            |                            |
| Cooling                                      | Smart Cooling                                                                                                  |                           |                           |                           |                            |                            |
| Communication                                | Wi-Fi/4G/LAN/CAN/RS485                                                                                         |                           |                           |                           |                            |                            |
| Noise                                        | < 35dB (A)                                                                                                     |                           |                           |                           |                            |                            |
| Mounting Method                              | Floor/Wall Mounted                                                                                             |                           |                           |                           |                            |                            |
| Standards                                    |                                                                                                                |                           |                           |                           |                            |                            |
| Safety                                       | IEC62109-1/-2                                                                                                  |                           |                           |                           |                            |                            |
| EMC                                          | IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4                       |                           |                           |                           |                            |                            |
| Grid Connection Standard                     | VDE4105, IEC61727/62116, VDE0126, AS47772, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 |                           |                           |                           |                            |                            |



HYXI Aura Single Phase Energy Controller 8 ~ 12kW

| Model                                        | H8K-HSA2                                                                                                        | H10K-HSA2                                | H12K-HSA2                                |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------|
| DC                                           |                                                                                                                 |                                          |                                          |
| Max. PV Input Power                          | 16,000W<br>(5,333W/5,333W/5,333W)                                                                               | 20,000W<br>(5,000W/5,000W/5,000W/5,000W) | 24,000W<br>(6,000W/6,000W/6,000W/6,000W) |
| Max. PV Input Voltage                        | 600V                                                                                                            |                                          |                                          |
| MPPT Voltage Range                           | 80 ~ 560V                                                                                                       |                                          |                                          |
| Start-Up Voltage                             | 50V                                                                                                             |                                          |                                          |
| Max. PV Input Current                        | 3*20A                                                                                                           | 4*20A                                    | 4*20A                                    |
| Max. Input Short Circuit Current Isc         | 3*30A                                                                                                           | 4*30A                                    | 4*30A                                    |
| No. of MPP Trackers                          | 3                                                                                                               | 4                                        | 4                                        |
| Number of String per MPP Trackers            | 1                                                                                                               |                                          |                                          |
| AC On-Grid Output                            |                                                                                                                 |                                          |                                          |
| Nominal Output Power                         | 8,000W                                                                                                          | 10,000W                                  | 12,000W                                  |
| Max. AC Output Apparent Power                | 8,800VA                                                                                                         | 11,000VA                                 | 12,000VA                                 |
| Rated AC Output Voltage/Range                | 220 or 230 or 240/183 ~ 276V                                                                                    |                                          |                                          |
| Nominal AC Frequency/Range                   | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                                          |                                          |
| Bypass                                       | 63A                                                                                                             |                                          |                                          |
| Rated AC Output Current                      | 36.4/34.8/33.3A                                                                                                 | 45.4/43.5/41.7A                          | 54.6/52.2/50.0A                          |
| Max. AC Output Current                       | 40.0/38.3/36.7A                                                                                                 | 50.0/47.9/45.9A                          | 54.6/52.2/50.0A                          |
| Power Factor Range                           | > 0.99/0.8 Leading...0.8 Lagging                                                                                |                                          |                                          |
| DC Current Injection                         | < 0.5% In                                                                                                       |                                          |                                          |
| THDi (Rated Power)                           | < 2%                                                                                                            |                                          |                                          |
| AC Off-Grid Output                           |                                                                                                                 |                                          |                                          |
| Grid Type                                    | 220 or 230 or 240/183 ~ 276V                                                                                    |                                          |                                          |
| Nominal Frequency                            | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                                          |                                          |
| Nominal Output Apparent Power                | 8,000VA                                                                                                         | 10,000VA                                 | 12,000VA                                 |
| Max. Continuous Output Apparent Power        | 8,800VA                                                                                                         | 11,000VA                                 | 120,000VA                                |
| Max. Peak Output Apparent Power              | 16,000VA, 10s                                                                                                   | 16,000VA, 10s                            | 16,000VA, 10s                            |
| Max. Output Current                          | 40.0/38.3/36.7A                                                                                                 | 50.0/47.9/45.9A                          | 54.6/52.2/50.0A                          |
| Transfer Time                                | 0ms                                                                                                             |                                          |                                          |
| THDi (Rated Power)                           | < 2%                                                                                                            |                                          |                                          |
| Efficiency                                   |                                                                                                                 |                                          |                                          |
| Max. Efficiency                              | 98.6%                                                                                                           |                                          |                                          |
| European Efficiency                          | 98.2%                                                                                                           |                                          |                                          |
| MPPT Efficiency                              | 99.9%                                                                                                           |                                          |                                          |
| BAT Charged by PV Max. Efficiency            | 97.7%                                                                                                           |                                          |                                          |
| BAT Charged/Discharged to AC Max. Efficiency | 97.7%                                                                                                           |                                          |                                          |
| Other Technical Specifications               |                                                                                                                 |                                          |                                          |
| Display                                      | LED & APP                                                                                                       |                                          |                                          |
| Ingress Protection                           | IP66                                                                                                            |                                          |                                          |
| Operating Ambient Temperature Range          | -30 ~ 60°C                                                                                                      |                                          |                                          |
| Humidity                                     | 5% ~ 95% (No Condensing)                                                                                        |                                          |                                          |
| Max. Operating Altitude                      | 4,000m                                                                                                          |                                          |                                          |
| Inverter Dimensions (W*H*D)                  | 795*318*260mm                                                                                                   |                                          |                                          |
| Inverter Weight                              | < 38kg                                                                                                          |                                          |                                          |
| Cooling                                      | Smart Cooling                                                                                                   |                                          |                                          |
| Communication                                | Wi-Fi/4G/LAN/CAN/RS485                                                                                          |                                          |                                          |
| Noise                                        | < 35dB (A)                                                                                                      |                                          |                                          |
| Mounting Method                              | Floor/Wall Mounted                                                                                              |                                          |                                          |
| Standards                                    |                                                                                                                 |                                          |                                          |
| Safety                                       | IEC62109-1/-2                                                                                                   |                                          |                                          |
| EMC                                          | IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4                        |                                          |                                          |
| Grid Connection Standard                     | VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 |                                          |                                          |

HYXI Aura Three Phase Energy Controller 5 ~ 15kW

| Model                                        | H5K-HTA2                                                                                                        | H6K-HTA2                   | H8K-HTA2                   | H9K9-HTA2                         | H10K-HTA2                         | H12K-HTA2                         | H15K-HTA2                            |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--------------------------------------|
| DC                                           |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Max. PV Input Power                          | 10,000W<br>(5,000W/5,000W)                                                                                      | 12,000W<br>(6,000W/6,000W) | 16,000W<br>(8,000W/8,000W) | 20,000W<br>(6,667W/6,667W/6,667W) | 20,000W<br>(6,667W/6,667W/6,667W) | 24,000W<br>(8,000W/8,000W/8,000W) | 30,000W<br>(10,000W/10,000W/10,000W) |
| Max. PV Input Voltage                        | 1,100V                                                                                                          |                            |                            |                                   |                                   |                                   |                                      |
| MPPT Voltage Range                           | 140 ~ 1,000V                                                                                                    |                            |                            |                                   |                                   |                                   |                                      |
| Start-Up Voltage                             | 160V                                                                                                            |                            |                            |                                   |                                   |                                   |                                      |
| Max. PV Input Current                        | 2*20A                                                                                                           |                            | 2*20A                      |                                   |                                   |                                   |                                      |
| Max. Input Short Circuit Current Isc         | 2*30A                                                                                                           |                            | 2*30A                      |                                   |                                   |                                   |                                      |
| No. of MPP Trackers                          | 2                                                                                                               |                            | 3                          |                                   |                                   |                                   |                                      |
| Number of String per MPP Trackers            | 1                                                                                                               |                            |                            |                                   |                                   |                                   |                                      |
| AC On-Grid Output                            |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Nominal Output Power                         | 5,000W                                                                                                          | 6,000W                     | 8,000W                     | 9,999W                            | 10,000W                           | 12,000W                           | 15,000W                              |
| Max. AC Output Apparent Power                | 5,500VA                                                                                                         | 6,600VA                    | 8,800VA                    | 9,999VA                           | 11,000VA                          | 13,200VA                          | 16,500VA                             |
| Rated AC Output Voltage/Range                | 3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476                                                                    |                            |                            |                                   |                                   |                                   |                                      |
| Nominal AC Frequency/Range                   | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                            |                            |                                   |                                   |                                   |                                      |
| Bypass                                       | 63A                                                                                                             |                            |                            |                                   |                                   |                                   |                                      |
| Rated AC Output Current                      | 7.6/7.3/7.0A                                                                                                    | 9.1/8.7/8.4A               | 12.2/11.6/11.2A            | 15.2/14.5/13.9A                   | 15.2/14.5/13.9A                   | 18.2/17.4/16.7A                   | 22.8/21.8/20.9A                      |
| Max. AC Output Current                       | 8.4/8.0/7.7A                                                                                                    | 10.0/9.6/9.2A              | 13.4/12.8/12.3A            | 15.2/14.5/13.9A                   | 16.7/16.0/15.3A                   | 20.0/19.2/18.4A                   | 25.0/24.0/23.0A                      |
| Power Factor Range                           | > 0.99/0.8 Leading...0.8 Lagging                                                                                |                            |                            |                                   |                                   |                                   |                                      |
| DC Current Injection                         | < 0.5% In                                                                                                       |                            |                            |                                   |                                   |                                   |                                      |
| THDi (Rated Power)                           | < 2%                                                                                                            |                            |                            |                                   |                                   |                                   |                                      |
| AC Off-Grid Output                           |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Grid Type                                    | 3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476                                                                    |                            |                            |                                   |                                   |                                   |                                      |
| Nominal Frequency                            | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                            |                            |                                   |                                   |                                   |                                      |
| Nominal Output Apparent Power                | 5,000W                                                                                                          | 6,000W                     | 8,000W                     | 9,999W                            | 10,000W                           | 12,000W                           | 15,000W                              |
| Max. Continuous Output Apparent Power        | 5,500VA                                                                                                         | 6,600VA                    | 8,800VA                    | 9,999VA                           | 11,000VA                          | 13,200VA                          | 16,500VA                             |
| Max. Peak Output Apparent Power              | 10,000VA, 10s                                                                                                   | 12,000VA, 10s              | 16,000VA, 10s              | 20,000VA, 10s                     | 20,000VA, 10s                     | 24,000VA, 10s                     | 30,000VA, 10s                        |
| Max. Output Current                          | 8.4/8.0/7.7A                                                                                                    | 10.0/9.6/9.2A              | 13.4/12.8/12.3A            | 9,999VA                           | 16.7/16.0/15.3A                   | 20.0/19.2/18.4A                   | 25.0/24.0/23.0A                      |
| Transfer Time                                | 0ms                                                                                                             |                            |                            |                                   |                                   |                                   |                                      |
| THDi (Rated Power)                           | < 2%                                                                                                            |                            |                            |                                   |                                   |                                   |                                      |
| Efficiency                                   |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Max. Efficiency                              | 98.6%                                                                                                           |                            |                            |                                   |                                   |                                   |                                      |
| European Efficiency                          | 98.2%                                                                                                           |                            |                            |                                   |                                   |                                   |                                      |
| MPPT Efficiency                              | 99.9%                                                                                                           |                            |                            |                                   |                                   |                                   |                                      |
| BAT Charged by PV Max. Efficiency            | 97.7%                                                                                                           |                            |                            |                                   |                                   |                                   |                                      |
| BAT Charged/Discharged to AC Max. Efficiency | 97.7%                                                                                                           |                            |                            |                                   |                                   |                                   |                                      |
| Other Technical Specifications               |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Display                                      | LED & APP                                                                                                       |                            |                            |                                   |                                   |                                   |                                      |
| Ingress Protection                           | IP66                                                                                                            |                            |                            |                                   |                                   |                                   |                                      |
| Operating Ambient Temperature Range          | -30 ~ 60°C                                                                                                      |                            |                            |                                   |                                   |                                   |                                      |
| Humidity                                     | 0% ~ 100% (Condensing)                                                                                          |                            |                            |                                   |                                   |                                   |                                      |
| Max. Operating Altitude                      | 4,000m                                                                                                          |                            |                            |                                   |                                   |                                   |                                      |
| Inverter Dimensions (W*H*D)                  | 795*364*266mm                                                                                                   |                            |                            |                                   |                                   |                                   |                                      |
| Inverter Weight                              | < 38kg                                                                                                          |                            |                            |                                   |                                   |                                   |                                      |
| Cooling                                      | Smart Cooling                                                                                                   |                            |                            |                                   |                                   |                                   |                                      |
| Communication                                | Wi-Fi/4G/LAN/CAN/RS485                                                                                          |                            |                            |                                   |                                   |                                   |                                      |
| Noise                                        | < 35dB (A)                                                                                                      |                            |                            |                                   |                                   |                                   |                                      |
| Mounting Method                              | Floor/Wall Mounted                                                                                              |                            |                            |                                   |                                   |                                   |                                      |
| Standards                                    |                                                                                                                 |                            |                            |                                   |                                   |                                   |                                      |
| Safety                                       | IEC62109-1/-2                                                                                                   |                            |                            |                                   |                                   |                                   |                                      |
| EMC                                          | IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4                        |                            |                            |                                   |                                   |                                   |                                      |
| Grid Connection Standard                     | VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 |                            |                            |                                   |                                   |                                   |                                      |



HYXI Aura Three Phase Energy Controller 20 ~ 30kW

| Model                                        | H20K-HTA2                                                                                                       | H25K-HTA2                                    | H29K9-HTA2                                   | H30K-HTA2                                    |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------|----------------------------------------------|----------------------------------------------|
| DC                                           |                                                                                                                 |                                              |                                              |                                              |
| Max. PV Input Power                          | 36,000W<br>(9,000W/9,000W/9,000W/9,000W)                                                                        | 45,000W<br>(11,250W/11,250W/11,250W/11,250W) | 54,000W<br>(13,500W/13,500W/13,500W/13,500W) | 54,000W<br>(13,500W/13,500W/13,500W/13,500W) |
| Max. PV Input Voltage                        | 1,100V                                                                                                          |                                              |                                              |                                              |
| MPPT Voltage Range                           | 140 ~ 1,000V                                                                                                    |                                              |                                              |                                              |
| Start-Up Voltage                             | 160V                                                                                                            |                                              |                                              |                                              |
| Max. PV Input Current                        | 4*20A                                                                                                           |                                              |                                              |                                              |
| Max. Input Short Circuit Current Isc         | 4*30A                                                                                                           |                                              |                                              |                                              |
| No. of MPP Trackers                          | 4                                                                                                               |                                              |                                              |                                              |
| Number of String per MPP Trackers            | 1                                                                                                               |                                              |                                              |                                              |
| AC On-Grid Output                            |                                                                                                                 |                                              |                                              |                                              |
| Nominal Output Power                         | 20,000W                                                                                                         | 25,000W                                      | 29,999W                                      | 30,000W                                      |
| Max. AC Output Apparent Power                | 22,000VA                                                                                                        | 27,500VA                                     | 29,999VA                                     | 33,000VA                                     |
| Rated AC Output Voltage/Range                | 3/N/PE, 220/380, 230/400, 240/415, 304-476                                                                      |                                              |                                              |                                              |
| Nominal AC Frequency/Range                   | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                                              |                                              |                                              |
| Bypass                                       | 63A                                                                                                             |                                              |                                              |                                              |
| Rated AC Output Current                      | 30.4/29.0/27.8A                                                                                                 | 37.9/26.3/34.8A                              | 45.5/43.5/41.7A                              | 45.5/43.5/41.7A                              |
| Max. AC Output Current                       | 33.4/31.9/30.6A                                                                                                 | 41.7/39.9/38.2A                              | 45.5/43.5/41.7A                              | 50.0/47.9/45.9A                              |
| Power Factor Range                           | > 0.99/0.8 Leading...0.8 Lagging                                                                                |                                              |                                              |                                              |
| DC Current Injection                         | < 0.5% In                                                                                                       |                                              |                                              |                                              |
| THDi (Rated Power)                           | < 2%                                                                                                            |                                              |                                              |                                              |
| AC Off-Grid Output                           |                                                                                                                 |                                              |                                              |                                              |
| Grid Type                                    | 3/N/PE, 220/380, 230/400, 240/415, 304 ~ 476                                                                    |                                              |                                              |                                              |
| Nominal Frequency                            | 50/45 ~ 55 or 60/55 ~ 65Hz                                                                                      |                                              |                                              |                                              |
| Nominal Output Apparent Power                | 20,000W                                                                                                         | 25,000W                                      | 29,999W                                      | 30,000W                                      |
| Max. Continuous Output Apparent Power        | 22,000VA                                                                                                        | 27,500VA                                     | 29,999VA                                     | 33,000VA                                     |
| Max. Peak Output Apparent Power              | 30,000VA, 10s                                                                                                   | 30,000VA, 10s                                | 36,000VA, 10s                                | 36,000VA, 10s                                |
| Max. Output Current                          | 33.4/31.9/30.6A                                                                                                 | 41.7/39.9/38.2A                              | 45.5/43.5/41.7A                              | 50.0/47.9/45.9A                              |
| Transfer Time                                | 0ms                                                                                                             |                                              |                                              |                                              |
| THDi (Rated Power)                           | < 2%                                                                                                            |                                              |                                              |                                              |
| Efficiency                                   |                                                                                                                 |                                              |                                              |                                              |
| Max. Efficiency                              | 98.6%                                                                                                           |                                              |                                              |                                              |
| European Efficiency                          | 98.2%                                                                                                           |                                              |                                              |                                              |
| MPPT Efficiency                              | 99.9%                                                                                                           |                                              |                                              |                                              |
| BAT Charged by PV Max. Efficiency            | 97.7%                                                                                                           |                                              |                                              |                                              |
| BAT Charged/Discharged to AC Max. Efficiency | 97.7%                                                                                                           |                                              |                                              |                                              |
| Other Technical Specifications               |                                                                                                                 |                                              |                                              |                                              |
| Display                                      | LED & APP                                                                                                       |                                              |                                              |                                              |
| Ingress Protection                           | IP66                                                                                                            |                                              |                                              |                                              |
| Operating Ambient Temperature Range          | -30 ~ 60°C                                                                                                      |                                              |                                              |                                              |
| Humidity                                     | 0% ~ 100% (Condensing)                                                                                          |                                              |                                              |                                              |
| Max. Operating Altitude                      | 4,000m                                                                                                          |                                              |                                              |                                              |
| Inverter Dimensions (W*H*D)                  | 795*364*266mm                                                                                                   |                                              |                                              |                                              |
| Inverter Weight                              | < 38kg                                                                                                          |                                              |                                              |                                              |
| Cooling                                      | Smart Cooling                                                                                                   |                                              |                                              |                                              |
| Communication                                | Wi-Fi/4G/LAN/CAN/RS485                                                                                          |                                              |                                              |                                              |
| Noise                                        | < 35dB (A)                                                                                                      |                                              |                                              |                                              |
| Mounting Method                              | Floor/Wall Mounted                                                                                              |                                              |                                              |                                              |
| Standards                                    |                                                                                                                 |                                              |                                              |                                              |
| Safety                                       | IEC62109-1/-2                                                                                                   |                                              |                                              |                                              |
| EMC                                          | IEC62619, UN38.3, IEC/EN 61000-6-1, IEC/EN 61000-6-2, IEC/EN 61000-6-3, IEC/EN 61000-6-4                        |                                              |                                              |                                              |
| Grid Connection Standard                     | VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150 |                                              |                                              |                                              |

HYXI Battery Q Series

| Model                                    | BAT-Q7                              | BAT-Q9  |
|------------------------------------------|-------------------------------------|---------|
| Battery Type                             | LiFePO4                             |         |
| Cell Capacity                            | 314Ah                               |         |
| Cycle Life                               | 10,000                              |         |
| Total Energy Capacity                    | 7.03kWh                             | 9.04kWh |
| Usable Energy Capacity                   | 6.82kWh                             | 8.77kWh |
| DoD                                      | 100%                                |         |
| Max. Charge/Discharge Power              | 3.5kW                               | 4.6kW   |
| Peak Charge/Discharge Power (10 Seconds) | 7.0kW                               | 9.2kW   |
| Max. Output Current                      | 9.3A                                | 12A     |
| Weight                                   | 65kg                                | 76kg    |
| Dimensions (W/H/D)                       | 795*269*269mm                       |         |
| Storage Temperature Range                | -25 ~ 60°C                          |         |
| Operating Temperature Range              | -20 ~ 55°C                          |         |
| Relative Humidity Range                  | 5% ~ 95%                            |         |
| Max. Operating Altitude                  | 4,000m                              |         |
| Cooling                                  | Natural Cooling                     |         |
| System Ingress Protection Rating         | IP66                                |         |
| Installation Method                      | Floor Standing/Wall-Mounted         |         |
| Number of Modules per Controller         | 1 ~ 6                               |         |
| Model                                    | BAT-Q-BC                            |         |
| Operating Voltage Range (Single Phase)   | 300 ~ 560V                          |         |
| Operating Voltage Range (Three Phase)    | 600 ~ 950V                          |         |
| Weight                                   | 9kg                                 |         |
| Dimensions (W/H/D)                       | 795*239*155mm                       |         |
| Compatible Inverter                      | HYX-H(3-12)K-HSA2/HYX-H(5-30)K-HTA2 |         |
| Communication                            | CAN                                 |         |



# Single Phase Hybrid Inverter

HYX-H3K/3K6/4K/4K6/5K/6K/8K-HS



## Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Level

## Profitable & Efficient

- 50V MPPT Start-Up Voltage
- 160% PV Oversizing
- 150% Off-Grid Overload Output for 10s

## Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

## Smart & Manageable

- Intelligent IV Diagnostics
- Scenario-Based App
- Intelligent Control for Heat Pump



HYXI Single Phase Hybrid Inverter 3 ~ 4.6kW

| Model                                       | HYX-H3K-HS                 | HYX-H3K6-HS   | HYX-H4K-HS    | HYX-H4K6-HS   |
|---------------------------------------------|----------------------------|---------------|---------------|---------------|
| PV Input                                    |                            |               |               |               |
| Max. Array Power                            | 6,000W                     | 7,200W        | 8,000W        | 9,200W        |
| Max. Input Power                            | 3,000W/1,800W              | 3,600W/2,160W | 4,000W/2,400W | 4,600W/2,760W |
| Max. Input Voltage                          | 600V                       |               |               |               |
| Start-Up Voltage                            | 50V                        |               |               |               |
| MPPT Operating Voltage Range                | 80 ~ 560V                  |               |               |               |
| Max. Input Current                          | 32A (16/16)                |               |               |               |
| Max. Short-Circuit Current                  | 48A (24/24)                |               |               |               |
| Number of MPPTs                             | 2                          |               |               |               |
| PV Input Number (Number of String per MPPT) | 2 (1/1)                    |               |               |               |
| AC Input/Output                             |                            |               |               |               |
| Nominal Power                               | 3,000W                     | 3,600W        | 4,000W        | 4,600W        |
| Max. Apparent Power                         | 3,300VA                    | 4,000VA       | 4,400VA       | 5,060VA       |
| Nominal Current                             | 13.6A                      | 16.3A         | 18.1A         | 20.9A         |
| Max. Current                                | 15.0A                      | 18.0A         | 20.0A         | 23.0A         |
| Nominal Voltage                             | 1/N/PE, 220/230/240V       |               |               |               |
| AC Voltage Range                            | 154 ~ 276V                 |               |               |               |
| THDi                                        | < 3%                       |               |               |               |
| Frequency                                   | 50/45 ~ 55Hz; 60/55 ~ 65Hz |               |               |               |
| Adjustable Power Factor                     | 0.8 Leading...0.8 Lagging  |               |               |               |
| DC Current Injection                        | < 0.5% In                  |               |               |               |
| AC Off-Grid Output                          |                            |               |               |               |
| Nominal Output Power                        | 3,000VA                    | 3,600VA       | 4,000VA       | 4,600VA       |
| Max. Continues Output Apparent Power        | 3,300VA                    | 4,000VA       | 4,400VA       | 5,060VA       |
| Peak Output Power                           | 4,500W; 10s                | 5,400W; 10s   | 6,000W; 10s   | 6,900W; 10s   |
| Max. Output Current                         | 15.0A                      | 18.0A         | 20.0A         | 23.0A         |
| Switch Time                                 | < 10ms                     |               |               |               |
| Battery                                     |                            |               |               |               |
| Battery Type                                | LiFePO4                    |               |               |               |
| Battery Voltage Range                       | 80 ~ 490V                  |               |               |               |
| Max. Charge/Discharge Current               | 35A                        |               |               |               |
| Max. Charge/Discharge Power                 | 8,000W                     |               |               |               |
| Efficiency                                  |                            |               |               |               |
| Max. Efficiency                             | 98.60%                     |               |               |               |
| European Weighted Efficiency                | 98.20%                     |               |               |               |
| MPPT Efficiency                             | 99.90%                     |               |               |               |
| Battery Charge/Discharge Efficiency         | 97.50%                     |               |               |               |
| Protection                                  |                            |               |               |               |
| DC Insulation Resistance Detection          | YES                        |               |               |               |
| Residual Current Monitoring                 | YES                        |               |               |               |
| DC Reverse Polarity Protection              | YES                        |               |               |               |
| DC/AC Surge Protection                      | Type II                    |               |               |               |
| DC Switch                                   | YES                        |               |               |               |
| Anti-Islanding Protection                   | YES                        |               |               |               |
| AC Over Current Protection                  | YES                        |               |               |               |
| AC Short-Circuit Protection                 | YES                        |               |               |               |
| AC Over Voltage Protection                  | YES                        |               |               |               |
| Grounded Fault Detection                    | YES                        |               |               |               |
| General Data                                |                            |               |               |               |
| Operating Temperature Range                 | -25 ~ 60°C                 |               |               |               |
| Relative Operating Humidity                 | 0 ~ 100%RH                 |               |               |               |
| Max. Operating Altitude                     | 4,000m                     |               |               |               |
| Cooling                                     | Natural Cooling            |               |               |               |
| Display                                     | LED/App/Web                |               |               |               |
| Communication                               | CAN/RS485/WIFI/4G/LAN      |               |               |               |
| Weight                                      | 20kg                       |               |               |               |
| Dimensions (W*H*D)                          | 522*416*177.6mm            |               |               |               |
| Degree of Protection                        | IP65                       |               |               |               |
| Mounting                                    | Wall Mounted               |               |               |               |

HYXI Single Phase Hybrid Inverter 5 ~ 8kW

| Model                                       | HYX-H5K-HS    | HYX-H6K-HS                 | HYX-H8K-HS    |
|---------------------------------------------|---------------|----------------------------|---------------|
| PV Input                                    |               |                            |               |
| Max. Array Power                            | 10,000W       | 12,000W                    | 16,000W       |
| Max. Input Power                            | 5,000W/3,000W | 5,000W/4,600W              | 6,400W/6,400W |
| Max. Input Voltage                          |               | 600V                       |               |
| Start-Up Voltage                            |               | 50V                        |               |
| MPPT Operating Voltage Range                |               | 80 ~ 560V                  |               |
| Max. Input Current                          |               | 32A (16/16)                |               |
| Max. Short-Circuit Current                  |               | 48A (24/24)                |               |
| Number of MPPTs                             |               | 2                          |               |
| PV Input number (Number of String Per MPPT) |               | 2 (1/1)                    |               |
| AC Input/Output                             |               |                            |               |
| Nominal Power                               | 5,000W        | 6,000W                     | 8,000W        |
| Max. Apparent Power                         | 5,500VA       | 6,600VA                    | 8,800VA       |
| Nominal Current                             | 22.7A         | 27.2A                      | 36.3A         |
| Max. Current                                | 25.0A         | 30.0A                      | 40.0A         |
| Nominal Voltage                             |               | 1/N/PE, 220/230/240V       |               |
| AC Voltage Range                            |               | 154 ~ 276V                 |               |
| THDi                                        |               | < 3%                       |               |
| Frequency                                   |               | 50/45 ~ 55Hz; 60/55 ~ 65Hz |               |
| Adjustable Power Factor                     |               | 0.8 Leading...0.8 Lagging  |               |
| DC Current Injection                        |               | < 0.5% In                  |               |
| AC Off-Grid Output                          |               |                            |               |
| Nominal Output Power                        | 5,000VA       | 6,000VA                    | 8,000VA       |
| Max. Continues Output Apparent Power        | 5,500VA       | 6,600VA                    | 8,000VA       |
| Peak Output Power                           | 7,500W; 10s   | 9,000W; 10s                | 9600W; 10s    |
| Max. Output Current                         | 25.0A         | 30.0A                      | 36.3A         |
| Switch Time                                 |               | < 10ms                     |               |
| Battery                                     |               |                            |               |
| Battery Type                                |               | LiFePO4                    |               |
| Battery Voltage Range                       |               | 80 ~ 490V                  |               |
| Max. Charge/Discharge Current               |               | 35A                        |               |
| Max. Charge/Discharge Power                 |               | 8,000W                     |               |
| Efficiency                                  |               |                            |               |
| Max. Efficiency                             |               | 98.60%                     |               |
| European Weighted Efficiency                |               | 98.20%                     |               |
| MPPT Efficiency                             |               | 99.90%                     |               |
| Battery Charge/ Discharge Efficiency        |               | 97.50%                     |               |
| Protection                                  |               |                            |               |
| DC Insulation Resistance Detection          |               | YES                        |               |
| Residual Current Monitoring                 |               | YES                        |               |
| DC Reverse Polarity Protection              |               | YES                        |               |
| DC/AC Surge Protection                      |               | Type II                    |               |
| DC Switch                                   |               | YES                        |               |
| Anti-Islanding Protection                   |               | YES                        |               |
| AC Over Current Protection                  |               | YES                        |               |
| AC Short-Circuit Protection                 |               | YES                        |               |
| AC Over Voltage Protection                  |               | YES                        |               |
| Grounded Fault Detection                    |               | YES                        |               |
| General Data                                |               |                            |               |
| Operating Temperature Range                 |               | -25 ~ 60°C                 |               |
| Relative Operating Humidity                 |               | 0 ~ 100%RH                 |               |
| Max. Operating Altitude                     |               | 4,000m                     |               |
| Cooling                                     |               | Natural Cooling            |               |
| Display                                     |               | LED/App/Web                |               |
| Communication                               |               | CAN/RS485/WIFI/4G/LAN      |               |
| Weight                                      |               | 20kg                       |               |
| Dimensions (W*H*D)                          |               | 522*416*177.6mm            |               |
| Degree of Protection                        |               | IP65                       |               |
| Mounting                                    |               | Wall Mounted               |               |



# Three Phase Hybrid Inverter

HYX-H5K/6K/8K/10K/12K-HT



### Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Ratings

### Profitable & Efficient

- 160V MPPT Start-Up Voltage with Wide MPPT Range
- 160% PV Oversizing
- 150% Off-Grid Overload Output for 10s

### Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

### Smart & Manageable

- Intelligent IV Diagnostics
- Module-Level Monitoring
- Intelligent Control for Heat Pumps

## HYXI Three Phase Hybrid Inverter 5 ~ 12kW

| Model                                       | HYX-H5K-HT                           | HYX-H6K-HT    | HYX-H8K-HT    | HYX-H10K-HT            | HYX-H12K-HT            |
|---------------------------------------------|--------------------------------------|---------------|---------------|------------------------|------------------------|
| PV Input                                    |                                      |               |               |                        |                        |
| Max. Array Power                            | 10,000W                              | 12,000W       | 16,000W       | 20,000W                | 24,000W                |
| Max. Input Power                            | 5,000W/3,000W                        | 6,000W/4,000W | 6,400W/6,400W | 6,400W/(4,800W/4,800W) | 6,400W/(6,400W/6,400W) |
| Max. Input Voltage                          | 1,000V                               |               |               |                        |                        |
| Start-Up Voltage                            | 160V                                 |               |               |                        |                        |
| MPPT Operating Voltage Range                | 140 ~ 980V                           |               |               |                        |                        |
| Max. Input Current                          | 36A (18/18)                          |               |               | 54A (18/2*18)          |                        |
| Max. Short-Circuit Current                  | 60A (30/30)                          |               |               | 90A (30/2*30)          |                        |
| Number of MPPTs                             | 2                                    |               |               |                        |                        |
| PV Input Number (Number of String per MPPT) | 2 (1/1)                              |               |               | 3 (1/2)                |                        |
| AC Input/Output                             |                                      |               |               |                        |                        |
| Nominal Output Power                        | 5,000W                               | 6,000W        | 8,000W        | 10,000W                | 12,000W                |
| Max. Output Apparent Power                  | 5,500VA                              | 6,600VA       | 8,800VA       | 11,000VA               | 13,200VA               |
| Max. Input Apparent Power                   | 11,000VA                             | 13,200VA      | 17,600VA      | 22,000VA               | 26,400VA               |
| Nominal Output Voltage                      | 3/N/PE, 220/380V, 230/400V, 240/415V |               |               |                        |                        |
| Max. Output Current                         | 8.4A                                 | 10A           | 13.4A         | 16.7A                  | 20A                    |
| Max. Input Current                          | 16.7A                                | 20A           | 26.7A         | 33.4A                  | 40A                    |
| Nominal Output Current                      | 7.6A                                 | 9.1A          | 12.2A         | 15.2A                  | 18.2A                  |
| THDi                                        | < 3%                                 |               |               |                        |                        |
| Frequency                                   | 45 ~ 55Hz; 5 ~ 65Hz                  |               |               |                        |                        |
| Adjustable Power Factor                     | 0.8 Leading...0.8 Lagging            |               |               |                        |                        |
| DC Current Injection                        | < 0.5% In                            |               |               |                        |                        |
| AC Off-Grid Output                          |                                      |               |               |                        |                        |
| Nominal Output Power                        | 5,000VA                              | 6,000VA       | 8,000VA       | 10,000VA               | 12,000VA               |
| Max. Continues Output Apparent Power        | 5,500VA                              | 6,600VA       | 8,800VA       | 11,000VA               | 13,200VA               |
| Peak Output Power                           | 7,500W/10s                           | 9,000W/10s    | 12,000W/10s   | 15,000W/10s            | 15,000W/10s            |
| Nominal Output Current                      | 7.6A                                 | 9.1A          | 12.2A         | 15.2A                  | 18.2A                  |
| Max. Output Current                         | 11.4A                                | 13.7A         | 18.2A         | 22.8A                  | 27.3A                  |
| Switch Time                                 | < 10ms                               |               |               |                        |                        |
| Battery                                     |                                      |               |               |                        |                        |
| Battery Type                                | LiFePO4                              |               |               |                        |                        |
| Battery Voltage Range                       | 150 ~ 600V                           |               |               |                        |                        |
| Max. Charge/Discharge Current               | 40A                                  |               |               |                        |                        |
| Max. Charge/Discharge Power                 | 5,500W                               | 6,600W        | 8,800W        | 11,000W                | 13,200W                |
| Efficiency                                  |                                      |               |               |                        |                        |
| Max. Efficiency                             | 98.60%                               |               |               |                        |                        |
| European Weighted Efficiency                | 98.20%                               |               |               |                        |                        |
| MPPT Efficiency                             | 99.90%                               |               |               |                        |                        |
| Battery Charge/Discharge Efficiency         | 97.50%                               |               |               |                        |                        |
| Protection                                  |                                      |               |               |                        |                        |
| DC Insulation Resistance Detection          | YES                                  |               |               |                        |                        |
| Residual Current Monitoring                 | YES                                  |               |               |                        |                        |
| DC Reverse Polarity Protection              | YES                                  |               |               |                        |                        |
| DC/AC Surge Protection                      | Type II                              |               |               |                        |                        |
| DC Switch                                   | YES                                  |               |               |                        |                        |
| Anti-Islanding Protection                   | YES                                  |               |               |                        |                        |
| AC Over Current Protection                  | YES                                  |               |               |                        |                        |
| AC Short-Circuit Protection                 | YES                                  |               |               |                        |                        |
| AC Over Voltage Protection                  | YES                                  |               |               |                        |                        |
| Grounded Fault Detection                    | YES                                  |               |               |                        |                        |
| General Data                                |                                      |               |               |                        |                        |
| Operating Temperature Range                 | -30 ~ 60°C                           |               |               |                        |                        |
| Relative Operating Humidity                 | 0 ~ 100%RH                           |               |               |                        |                        |
| Max. Operating Altitude                     | 4,000m                               |               |               |                        |                        |
| Cooling                                     | Natural Cooling                      |               |               |                        |                        |
| Display                                     | LED/App/Web                          |               |               |                        |                        |
| Communication                               | CAN/RS485/WIFI/4G/LAN                |               |               |                        |                        |
| Weight                                      | 34kg                                 |               |               |                        |                        |
| Dimensions (W*H*D)                          | 542*478*186mm                        |               |               |                        |                        |
| Degree of Protection                        | IP65                                 |               |               |                        |                        |
| Mounting                                    | Wall Mounted                         |               |               |                        |                        |



# Three Phase Hybrid Inverter

HYX-H15K/20K/25K-HT



### Safe & Reliable

- Type II DC/AC Surge Protection
- 300m AFCI Detection with 0.5s Rapid Shutdown
- IP65 & C4 Protection Ratings

### Profitable & Efficient

- 160V MPPT Start-Up Voltage with Wide MPPT Range
- 160% PV Oversizing
- 150% Off-Grid Overload Output for 10s
- 20A MPPT Current

### Convenient & User-Friendly

- 30-Minute Quick Installation
- 3-Minute Quick Set-Up & Self-Check
- UPS-Grade Seamless Switching

### Smart & Manageable

- Intelligent IV Diagnostics
- Module-Level Monitoring with Real-Time Data
- Intelligent Control for Heat Pumps

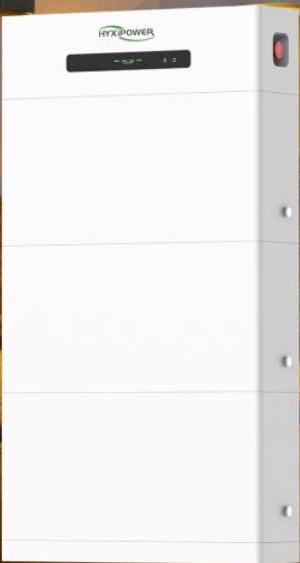
## HYXI Hybrid Three Phase Inverter 15 ~ 25kW

| Model                                       | HYX-H15K-HT                       | HYX-H20K-HT                          | HYX-H25K-HT                           |
|---------------------------------------------|-----------------------------------|--------------------------------------|---------------------------------------|
| PV Input                                    |                                   |                                      |                                       |
| Max. Array Power                            | 30,000W                           | 40,000W                              | 50,000W                               |
| Max. Input Power                            | (6,000W/6,000W) / (6,000W/6,000W) | (8,000W/8,000W) / (8,000W/8,000W)    | (10,000W/10,000W) / (10,000W/10,000W) |
| Max. Input Voltage                          |                                   | 1,100V                               |                                       |
| Start-Up Voltage                            |                                   | 160V                                 |                                       |
| MPPT Operating Voltage Range                |                                   | 140 ~ 1,000V                         |                                       |
| Max. Input Current                          |                                   | 80A (2*20/2*20)                      |                                       |
| Max. Short-Circuit Current                  |                                   | 100A (2*25/2*25)                     |                                       |
| Number of MPPTs                             |                                   | 2                                    |                                       |
| PV Input Number (Number of String per MPPT) |                                   | 4 (2/2)                              |                                       |
| AC Input/Output                             |                                   |                                      |                                       |
| Nominal Input/Output Apparent Power         | 31,500VA/15,000VA                 | 42,000VA/20,000VA                    | 52,500VA/25,000VA                     |
| Max. Input/Output Apparent Power            | 33,000VA/16,500VA                 | 44,000VA/22,000VA                    | 55,000VA/27,500VA                     |
| Nominal Input/Output Current                | 47.8A/22.8A                       | 63.7A/30.4A                          | 79.5A/37.9A                           |
| Max. Input/Output Current                   | 50.0A/25.0A                       | 66.7A/33.4A                          | 83.4A/41.7A                           |
| Output Voltage Range                        |                                   | 3/N/PE, 220/380V, 230/400V, 240/415V |                                       |
| Nominal Output Voltage                      |                                   | < 3%                                 |                                       |
| THDi                                        |                                   | 304 ~ 476V                           |                                       |
| Frequency                                   |                                   | 50/60Hz                              |                                       |
| Adjustable Power Factor                     |                                   | 0.8 Leading...0.8 Lagging            |                                       |
| DC Current Injection                        |                                   | < 0.5% In                            |                                       |
| AC Off-Grid Output                          |                                   |                                      |                                       |
| Nominal Output Power                        | 15,000W                           | 20,000W                              | 25,000W                               |
| Max. Continues Output Apparent Power        | 16,500VA                          | 22,000VA                             | 27,500VA                              |
| Peak Output Power                           | 22,500W/10s                       | 30,000W/10s                          | 30,000W/10s                           |
| Nominal Output Current                      | 22.8A                             | 30.4A                                | 37.9A                                 |
| Max. Output Current                         | 34.1A                             | 45.5A                                | 56.9A                                 |
| Switch Time                                 |                                   | < 10ms                               |                                       |
| Battery                                     |                                   |                                      |                                       |
| Battery Type                                |                                   | LiFePO4                              |                                       |
| Battery Voltage Range                       |                                   | 150 ~ 600V                           |                                       |
| Max. Charge/Discharge Current               |                                   | 60A                                  |                                       |
| Max. Charge/Discharge Power                 | 16,500W                           | 22,000W                              | 27,500W                               |
| Efficiency                                  |                                   |                                      |                                       |
| Max. Efficiency                             |                                   | 98.60%                               |                                       |
| European Weighted Efficiency                |                                   | 98.20%                               |                                       |
| MPPT Efficiency                             |                                   | 99.90%                               |                                       |
| Battery Charge/Discharge Efficiency         |                                   | 97.70%                               |                                       |
| Protection                                  |                                   |                                      |                                       |
| DC Insulation Resistance Detection          |                                   | YES                                  |                                       |
| Residual Current Monitoring                 |                                   | YES                                  |                                       |
| DC Reverse Polarity Protection              |                                   | YES                                  |                                       |
| DC/AC Surge Protection                      |                                   | Type II                              |                                       |
| DC Switch                                   |                                   | YES                                  |                                       |
| Anti-Islanding Protection                   |                                   | YES                                  |                                       |
| AC Over Current Protection                  |                                   | YES                                  |                                       |
| AC Short-Circuit Protection                 |                                   | YES                                  |                                       |
| AC Over Voltage Protection                  |                                   | YES                                  |                                       |
| Grounded Fault Detection                    |                                   | YES                                  |                                       |
| General Data                                |                                   |                                      |                                       |
| Operating Temperature Range                 |                                   | -30 ~ 60℃                            |                                       |
| Relative Operating Humidity                 |                                   | 0 ~ 100%RH                           |                                       |
| Max. Operating Altitude                     |                                   | 4,000m                               |                                       |
| Cooling                                     | Natural Cooling                   | Fan Cooling                          | Fan Cooling                           |
| Display                                     |                                   | LED/App/Web                          |                                       |
| Communication                               |                                   | CAN/RS485/PLC/WIFI/4G/LAN            |                                       |
| Weight                                      |                                   | 45kg                                 |                                       |
| Dimensions (W*H*D)                          |                                   | 658*523*220mm                        |                                       |
| Degree of Protection                        |                                   | IP65                                 |                                       |
| Mounting                                    |                                   | Wall Mounted                         |                                       |



# High Voltage Battery

## E50/100/150/200/250/300/400/500-H2



### Safe & Reliable

- A+ Grade Cells & Automotive Grade Standard
- Smoke Detection & Active Pressure Relief
- IP65 & C4 Protection Level

### Convenient & User-Friendly

- Flat Design
- Quick-Plug Interface
- Stackable Design for 5 ~ 50kWh Capacity

### Efficient & Durable

- 32A Charging/Discharging Current
- 6,000+ Life Cycles

### Smart & Manageable

- Automotive Grade BMS
- Scenario-Based App
- AI Powered Cloud with 24/7 Alerts and Optimization

## HYXI High Voltage Battery H2

| Battery System                    | HYX-E50-H2                                                             | HYX-E100-H2    | HYX-E150-H2     | HYX-E200-H2     |
|-----------------------------------|------------------------------------------------------------------------|----------------|-----------------|-----------------|
| Total Battery Capacity            | 5.3kWh                                                                 | 10.6kWh        | 15.9kWh         | 21.2kWh         |
| Usable Capacity <sup>1</sup>      | 5kWh                                                                   | 10kWh          | 15kWh           | 20kWh           |
| Nominal Voltage                   | 102.4V                                                                 | 204.8V         | 307.2V          | 409.6V          |
| Working Voltage                   | 86.4 ~ 115.2V                                                          | 172.8 ~ 230.4V | 259.2 ~ 345.6V  | 345.6 ~ 460.8V  |
| Nominal Output Power              | 3.0kW                                                                  | 6.0kW          | 9.0kW           | 12.0kW          |
| DoD                               | 95%                                                                    |                |                 |                 |
| Cell Type                         | LiFePO4                                                                |                |                 |                 |
| Max. Charging/Discharging Current | 60A                                                                    | 32A            | 32A             | 32A             |
| SOC Indicator                     | 4*LED (25%, 50%, 75%, 100%)                                            |                |                 |                 |
| State Indicator                   | 2*LED (Work, Alarm)                                                    |                |                 |                 |
| Communication                     | CAN, RS485                                                             |                |                 |                 |
| Working Temperature               | -10 ~ 50°C                                                             |                |                 |                 |
| Ingress Protection Rating         | IP65 (PACK IP67)                                                       |                |                 |                 |
| Working Humidity                  | 5 ~ 95%RH                                                              |                |                 |                 |
| Working Altitude                  | < 4,000m                                                               |                |                 |                 |
| Calendar Life                     | > 6,000 (70%EOL)                                                       |                |                 |                 |
| Dimensions (W*H*D)                | 700*600*200mm                                                          | 700*950*200mm  | 700*1,300*200mm | 700*1,650*200mm |
| Net Weight                        | BDU (9kg) *1+PACK (44kg) *N+Base (5.6kg) *1                            |                |                 |                 |
| Alarms                            | Over Charge/Over Discharge/Over Current/Over Temperature/Short Circuit |                |                 |                 |
| Warranty                          | 10 Years                                                               |                |                 |                 |

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.

| Battery System                    | HYX-E250-H2                                                            | HYX-E300-H2                                       | HYX-E400-H2                                       | HYX-E500-H2                                       |
|-----------------------------------|------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------------------|---------------------------------------------------|
| Total Battery Capacity            | 26.5kWh                                                                | 31.8kWh                                           | 42.4kWh                                           | 53kWh                                             |
| Usable Capacity <sup>1</sup>      | 25kWh                                                                  | 30kWh                                             | 40kWh                                             | 50kWh                                             |
| Nominal Voltage                   | 512V                                                                   | 307.2V                                            | 409.6V                                            | 512V                                              |
| Working Voltage                   | 432 ~ 576V                                                             | 259.2 ~ 345.6V                                    | 345.6 ~ 460.8V                                    | 432 ~ 576V                                        |
| Nominal Output Power              | 15.0kW                                                                 | 18.0kW                                            | 24.0kW                                            | 30.0kW                                            |
| DoD                               | 95%                                                                    |                                                   |                                                   |                                                   |
| Cell Type                         | LiFePO4                                                                |                                                   |                                                   |                                                   |
| Max. Charging/Discharging Current | 32A                                                                    |                                                   |                                                   |                                                   |
| SOC Indicator                     | 4*LED (25%, 50%, 75%, 100%)                                            |                                                   |                                                   |                                                   |
| State Indicator                   | 2*LED (Work, Alarm)                                                    |                                                   |                                                   |                                                   |
| Communication                     | CAN, RS485                                                             |                                                   |                                                   |                                                   |
| Working Temperature               | -10 ~ 50°C                                                             |                                                   |                                                   |                                                   |
| Ingress Protection Rating         | IP65 (PACK IP67)                                                       |                                                   |                                                   |                                                   |
| Working Humidity                  | 5 ~ 95%RH                                                              |                                                   |                                                   |                                                   |
| Working Altitude                  | < 4,000m                                                               |                                                   |                                                   |                                                   |
| Calendar Life                     | > 6,000 (70%EOL)                                                       |                                                   |                                                   |                                                   |
| Dimensions (W*H*D)                | 700*2,000*200mm                                                        | Master: 700*1,350*200mm<br>Slave: 700*1,300*200mm | Master: 700*1,700*200mm<br>Slave: 700*1,650*200mm | Master: 700*2,050*200mm<br>Slave: 700*2,000*200mm |
| Net Weight                        | BDU (9kg) *1+PACK (44kg) *N+Base (5.6kg) *1                            |                                                   |                                                   |                                                   |
| Alarms                            | Over Charge/Over Discharge/Over Current/Over Temperature/Short Circuit |                                                   |                                                   |                                                   |
| Warranty                          | 10 Years                                                               |                                                   |                                                   |                                                   |

1: Test conditions: 100% depth of discharge, 0.2C rate charge & discharge at 25°C, at the beginning of service life.



# Single Phase Hybrid Inverter

## HXY-H6/8K-LS



### High Performance

- 90-280V Wide Voltage Range of Grid
- 80% Efficiency at 50°C
- Max. 18A MPPT Current
- 60V Start-Up MPPT Voltage

### High Quality

- IP66 Protection Level
- 5-Year Warranty
- Type II DC and AC Surge Protection

### Flexible Solution

- Diesel Generator Supported
- Max. 6 Units Parallel for On/Off-Grid Operation
- Dual AC Output With Smart Load Management
- Compatible With Multiple Battery Brands

### Easy Installation

- Lightweight 16kg
- Built-in Wi-Fi and Metering Module
- Single-Person Installation Supported
- Wall-Mounted in 1 Minute

## HYXI Low Voltage Single Phase Hybrid Inverter 6 ~ 8kW

| Model                                    | HXY-H6K-LS                                                                                                                                                                                                                                                                        | HXY-H8K-LS |
|------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Battery Data                             |                                                                                                                                                                                                                                                                                   |            |
| Battery Type                             | Lithium-ion & Lead-acid                                                                                                                                                                                                                                                           |            |
| Rated Battery Voltage                    | 48V                                                                                                                                                                                                                                                                               |            |
| Battery Voltage Range                    | 40 ~ 60V                                                                                                                                                                                                                                                                          |            |
| Max. Charging/Discharging Current        | 125/125V                                                                                                                                                                                                                                                                          | 165/165V   |
| Charging Strategy for Li-ion Battery     | Self-Adaption to BMS                                                                                                                                                                                                                                                              |            |
| PV Input Data                            |                                                                                                                                                                                                                                                                                   |            |
| Max. MPPT Input Power                    | 12,000W                                                                                                                                                                                                                                                                           |            |
| Max. PV Input Voltage                    | 500V                                                                                                                                                                                                                                                                              |            |
| Rated PV Input Voltage                   | 370V                                                                                                                                                                                                                                                                              |            |
| Start-Up Voltage                         | 60V                                                                                                                                                                                                                                                                               |            |
| MPPT Voltage Range                       | 60 ~ 450V                                                                                                                                                                                                                                                                         |            |
| No. of MPPT/ Strings per MPPT            | 2/1+1                                                                                                                                                                                                                                                                             |            |
| Max. PV Input Current per MPPT           | 18+18                                                                                                                                                                                                                                                                             |            |
| Max. Short Circuit Current per MPPT      | 27+27                                                                                                                                                                                                                                                                             |            |
| AC Input Data (Grid and Generator)       |                                                                                                                                                                                                                                                                                   |            |
| Rated AC Input Voltage                   | 220/230/240V                                                                                                                                                                                                                                                                      |            |
| Rated AC Input Voltage Range             | 90 ~ 280V                                                                                                                                                                                                                                                                         |            |
| Rated Input Frequency                    | 50/60Hz                                                                                                                                                                                                                                                                           |            |
| Max. AC Input Current                    | 40A                                                                                                                                                                                                                                                                               | 50A        |
| Total Current Harmonic Distortion (THDI) | < 3%                                                                                                                                                                                                                                                                              |            |
| Backup Data                              |                                                                                                                                                                                                                                                                                   |            |
| Rated Output Power                       | 6,000W                                                                                                                                                                                                                                                                            | 8,000W     |
| Rated AC Output Current                  | 27A                                                                                                                                                                                                                                                                               | 35A        |
| Rated Output Frequency                   | 50/60Hz                                                                                                                                                                                                                                                                           |            |
| Peak Power                               | 1.5 Times of Rated Power, 10s; 2 Times of Rated Power, 5s; More than 2 Times of Rated Power, 100ms                                                                                                                                                                                |            |
| Switch Time                              | 20ms                                                                                                                                                                                                                                                                              |            |
| Total Current Harmonic Distortion (THDI) | < 3%                                                                                                                                                                                                                                                                              |            |
| Efficiency                               |                                                                                                                                                                                                                                                                                   |            |
| Max. Efficiency                          | 97.00%                                                                                                                                                                                                                                                                            |            |
| MPPT Efficiency                          | 99.90%                                                                                                                                                                                                                                                                            |            |
| Protection                               |                                                                                                                                                                                                                                                                                   |            |
| Integrated Protections                   | DC Polarity Reverse Connection Protection, AC Output Overcurrent Protection, Thermal Protection, AC Output Overvoltage Protection, AC Output Short Circuit Protection, DC Component Monitoring, Overvoltage Load Drop Protection, Power Network Monitoring, Earth Fault Detection |            |
| Surge Protection Level                   | Type III(DC), Type II(AC)                                                                                                                                                                                                                                                         |            |
| Over Voltage Category                    | OVC II (DC), OVC III (AC)                                                                                                                                                                                                                                                         |            |
| General Data                             |                                                                                                                                                                                                                                                                                   |            |
| Operating Temperature Range              | -40 ~ 60°C (Above 45°C Derating)                                                                                                                                                                                                                                                  |            |
| Dimensions (W*H*D)                       | 430*350*177.8mm                                                                                                                                                                                                                                                                   |            |
| Weight                                   | 16kg                                                                                                                                                                                                                                                                              |            |
| Topology                                 | Non-Isolated                                                                                                                                                                                                                                                                      |            |
| Cooling                                  | Smart Air Cooling                                                                                                                                                                                                                                                                 |            |
| Max. Operating Altitude                  | 3000m                                                                                                                                                                                                                                                                             |            |
| Protection Level                         | IP66                                                                                                                                                                                                                                                                              |            |
| Communication                            | RS485/CAN/Dry Contact/External Battery NTC/Parallel Communication/WIFI (Built-in)                                                                                                                                                                                                 |            |
| Warranty                                 | 5 Years                                                                                                                                                                                                                                                                           |            |
| Safety/EMC                               | IEC 62109-1/-2, EN61000-6-1:2019, EN61000-6-3:2021, EN61000-3-11:2019, EN61000-3-12:2011                                                                                                                                                                                          |            |
| Efficiency Standard                      | IEC 61683:1999                                                                                                                                                                                                                                                                    |            |



# Low Voltage Battery

## HYX-E50-LR



### Safe & Efficient

- High Security and Excellent Efficiency
- Compatible with CAN/485 Communication
- High Capacity, High Power Output

### Flexible & Maintainable

- Simple Structure, Easy for Installation and Maintenance
- Modular Design, Max. 16 Units for Expansion

### HYXI Low Voltage Battery 5kWh

| Model                             | HYX-E50-LR                                                                                                                                                                         |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance                       |                                                                                                                                                                                    |
| Battery Type                      | Lithium-ion                                                                                                                                                                        |
| Rated Energy*                     | 5.12kWh                                                                                                                                                                            |
| Rated Voltage                     | 51.2Vdc                                                                                                                                                                            |
| Rated Capacity                    | 100 (1C) Ah                                                                                                                                                                        |
| Rated Charge Current              | 50A                                                                                                                                                                                |
| Rated Discharge Current           | 50A                                                                                                                                                                                |
| Max. Continuous Charge Current    | 100A                                                                                                                                                                               |
| Max. Continuous Discharge Current | 100A                                                                                                                                                                               |
| Communication                     | RS485/CAN2.0                                                                                                                                                                       |
| Display                           | LED Display                                                                                                                                                                        |
| Cycle Life                        | 6000 Cycles (90%DoD 70%SOH)                                                                                                                                                        |
| Protection                        | Double Safety Control (BMS, Circuit Protection), Over-Temperature Protection, Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection |
| Parallel Connection               | Up to 16 Units (81.92kWh)                                                                                                                                                          |
| Mechanical                        |                                                                                                                                                                                    |
| Dimensions (W*H*D)                | 443*133*492mm                                                                                                                                                                      |
| Weight                            | 41kg                                                                                                                                                                               |
| Environment                       |                                                                                                                                                                                    |
| Storage Environment Temperature   | -10 ~ 50°C                                                                                                                                                                         |
| Discharge Temperature             | -10 ~ 50°C                                                                                                                                                                         |
| Charge Temperature                | 0 ~ 50°C                                                                                                                                                                           |
| Relative Humidity                 | 5% ~ 95%                                                                                                                                                                           |
| Protection Level                  | IP20                                                                                                                                                                               |
| Altitude                          | ≤ 3000m                                                                                                                                                                            |
| Cooling                           | Natural Cooling                                                                                                                                                                    |
| Installation                      | Floor-Mounted, Wall-Mounted                                                                                                                                                        |
| Certification                     |                                                                                                                                                                                    |
| Others                            | UN 38.3                                                                                                                                                                            |

\*Test Conditions - Temperature 25°C, at the Beginning of Life.



# Low Voltage Battery

## HYX-E160-L



### Safe & Efficient

- High Security and Excellent Efficiency
- Compatible with CAN/485 Communication
- High Capacity, High Power Output

### Flexible & Maintainable

- Simple Structure, Easy for Installation and Maintenance
- Modular Design, Max. 15 Units for Expansion

## HYXI Low Voltage Battery 16kWh

| Model                             | HYX-E160-L                                                                                                                                                                         |
|-----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Performance                       |                                                                                                                                                                                    |
| Battery Type                      | Lithium-ion                                                                                                                                                                        |
| Rated Energy*                     | 16.07kWh                                                                                                                                                                           |
| Rated Voltage                     | 51.2Vdc                                                                                                                                                                            |
| Rated Capacity                    | 314Ah                                                                                                                                                                              |
| Rated Charge Current              | 157A                                                                                                                                                                               |
| Rated Discharge Current           | 157A                                                                                                                                                                               |
| Max. Continuous Charge Current    | 200A                                                                                                                                                                               |
| Max. Continuous Discharge Current | 200A                                                                                                                                                                               |
| Communication                     | RS485/CAN2.0                                                                                                                                                                       |
| Display                           | LED Display                                                                                                                                                                        |
| Cycle Life                        | 6000 Cycles (90%DOD 80%SOH)                                                                                                                                                        |
| Protection                        | Double Safety Control (BMS, Circuit Protection), Over-Temperature Protection, Over-Current Protection, Short-Circuit Protection, Over-Charge Protection, Over-Discharge Protection |
| Parallel Connection               | Up to 15 Units (241.05kWh)                                                                                                                                                         |
| Mechanical                        |                                                                                                                                                                                    |
| Dimensions (W*H*D)                | 490*830*230mm                                                                                                                                                                      |
| Weight                            | 130kg                                                                                                                                                                              |
| Environment                       |                                                                                                                                                                                    |
| Storage Environment Temperature   | -20 ~ 60°C                                                                                                                                                                         |
| Discharge Temperature             | -20 ~ 55°C                                                                                                                                                                         |
| Charge Temperature                | 0 ~ +55°C                                                                                                                                                                          |
| Relative Humidity                 | ≤ 85%                                                                                                                                                                              |
| Protection Level                  | IP20                                                                                                                                                                               |
| Altitude                          | ≤2000m                                                                                                                                                                             |
| Cooling                           | Natural Cooling                                                                                                                                                                    |
| Installation                      | Floor-Mounted                                                                                                                                                                      |
| Certification                     |                                                                                                                                                                                    |
| Others                            | UN 38.3                                                                                                                                                                            |

\*Test Conditions - Temperature 25°C, at the Beginning of Life.



# Microinverter

## Overview

HYXI Microinverter series is an integrated, modular solution for balcony and residential systems, combining efficient power generation with flexible energy storage.

The microinverter enables module-level MPPT for higher yield, precise monitoring, and fast fault isolation, with an ultra-slim IP67 design for safe and reliable operation.



# Microinverter

HYX-M300/400/500-S  
HYX-M300/400/500-SW



### Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT with 500VA Output Power
- 16A High-Current Design

### Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

### Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

### Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

## HYXI 1-in-1 Microinverter 300 ~ 500W

| Model                               | HYX-M300-S/SW     | HYX-M400-S/SW                                      | HYX-M500-S/SW     |
|-------------------------------------|-------------------|----------------------------------------------------|-------------------|
| DC Input                            |                   |                                                    |                   |
| Typical Module Compatibility        | 240 ~ 450W        | 320 ~ 600W                                         | 400 ~ 670W        |
| Min./Max. MPPT Voltage              |                   | 16 ~ 60V                                           |                   |
| Max. Input Voltage                  |                   | 65V                                                |                   |
| Start-Up Input Voltage              |                   | 20V                                                |                   |
| Max. Input Current                  |                   | 16A                                                |                   |
| Max. Short-Circuit DC Input Current |                   | 20A                                                |                   |
| AC Output                           |                   |                                                    |                   |
| Nominal Output Power                | 300VA             | 400VA                                              | 500VA             |
| Nominal Output Current              | 1.36A/1.30A/1.25A | 1.82A/1.74A/1.67A                                  | 2.27A/2.17A/2.08A |
| Nominal Output Voltage              |                   | 220V/230V/240V                                     |                   |
| Adjustable Output Voltage Range     |                   | 183 ~ 276V                                         |                   |
| Nominal Frequency                   |                   | 50/60Hz                                            |                   |
| Adjustable Output Frequency Range   |                   | 45 - 55Hz, 55 ~ 65Hz                               |                   |
| Power Factor (Default/Adjustable)   |                   | > 0.99/0.8 leading...0.8 lagging                   |                   |
| THDi                                |                   | < 3%                                               |                   |
| Max. Units per 10AWG Branch         | 20/21/22          | 15/16/16                                           | 12/12/13          |
| Max. Units per 12AWG Branch         | 15/16/17          | 11/12/13                                           | 9/10/10           |
| Efficiency                          |                   |                                                    |                   |
| Peak Efficiency                     |                   | 96.70%                                             |                   |
| Nominal MPPT Efficiency             |                   | 99.80%                                             |                   |
| Night-Time Power Loss               |                   | < 30mW                                             |                   |
| General Data                        |                   |                                                    |                   |
| Operating Ambient Temperature       |                   | -40 ~ 65°C                                         |                   |
| Dimensions (W*H*D)                  |                   | 188*178*25mm                                       |                   |
| Degree of Protection                |                   | IP67                                               |                   |
| Cooling                             |                   | Natural Cooling, No Fans                           |                   |
| Weight                              |                   | 1.7kg                                              |                   |
| Features                            |                   |                                                    |                   |
| Communication*                      |                   | Sub-1G/Built-In Wi-Fi                              |                   |
| Type of Isolation                   |                   | High Frequency Transformers, Galvanically Isolated |                   |
| Warranty                            |                   | 12 Years Standard, 25 Years Optional               |                   |
| Protection                          |                   |                                                    |                   |
| Input Reverse Connection Protection |                   | YES                                                |                   |
| Output Overcurrent Protection       |                   | YES                                                |                   |
| Output Overvoltage Protection       |                   | YES                                                |                   |
| Anti-Islanding Protection           |                   | YES                                                |                   |
| Output Short-Circuit Protection     |                   | YES                                                |                   |

1: Sub-1G: HYX-M600/800/1000-S, Built-in Wi-Fi: HYX-M600/800/1000-SW

Nominal voltage/frequency ranges may vary depending on local requirements.

Refer to local requirements for the exact number of microinverters per branch.



# 2-in-1 Microinverter

HYX-M600/800/1000-S

HYX-M600/800/1000-SW



## Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT
- 1,000VA Output Power
- 16A High-Current Design

## Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

## Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

## Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

## HYXI 2-in-1 Microinverter 600 ~ 1000W

| Model                               | HYXI-M600-S/SW   | HYXI-M800-S/SW                                     | HYXI-M1000-S/SW   |
|-------------------------------------|------------------|----------------------------------------------------|-------------------|
| Input (DC)                          |                  |                                                    |                   |
| Typical Module Compatibility        | 240 ~ 450`W      | 320 ~ 600`W                                        | 400 ~ 670`W       |
| Min. /Max. MPPT Voltage             |                  | 16 ~ 60V                                           |                   |
| Max. Input Voltage                  |                  | 65V                                                |                   |
| Start-Up Input Voltage              |                  | 20V                                                |                   |
| Max. Input Current                  |                  | 2*16A                                              |                   |
| Max. Short-Circuit DC Input Current |                  | 2*20A                                              |                   |
| Output (AC)                         |                  |                                                    |                   |
| Nominal Output Power                | 600VA            | 800VA                                              | 1000VA            |
| Nominal Output Current              | 2.73A/2.61A/2.5A | 3.64A/3.48A/3.33A                                  | 4.55A/4.35A/4.17A |
| Nominal Output Voltage              |                  | 220V/230V/240V                                     |                   |
| Adjustable Output Voltage Range     |                  | 183 ~ 276V                                         |                   |
| Nominal Frequency                   |                  | 50/60Hz                                            |                   |
| Adjustable Output Frequency Range   |                  | 45 ~ 55Hz, 55 ~ 65Hz                               |                   |
| Power Factor (Default/Adjustable)   |                  | > 0.99/0.8 Leading...0.8 Lagging                   |                   |
| THDi                                |                  | < 3%                                               |                   |
| Max. Units per 10AWG Branch         | 10/10/11         | 7/8/8                                              | 6/6/6             |
| Max. Units per 12AWG Branch         | 7/8/8            | 5/6/6                                              | 4/5/5             |
| Efficiency                          |                  |                                                    |                   |
| Peak Efficiency                     |                  | 96.70%                                             |                   |
| Nominal MPPT Efficiency             |                  | 99.80%                                             |                   |
| Night-Time Power Loss               |                  | < 30mW                                             |                   |
| General Data                        |                  |                                                    |                   |
| Operating Ambient Temperature       |                  | - 40 ~ 65°C                                        |                   |
| Dimensions (W*H*D)                  |                  | 252*180*35mm                                       |                   |
| Degree of Protection                |                  | IP67                                               |                   |
| Cooling                             |                  | Natural Cooling - No Fans                          |                   |
| Weight                              |                  | 3kg                                                |                   |
| Features                            |                  |                                                    |                   |
| Communication¹                      |                  | Sub-1G/Built-In WiFi                               |                   |
| Type of Isolation                   |                  | High Frequency Transformers, Galvanically Isolated |                   |
| Warranty                            |                  | 12 Years Standard, 25 Years Optional               |                   |
| Protection                          |                  |                                                    |                   |
| Input Reverse Connection Protection |                  | YES                                                |                   |
| Output Overcurrent Protection       |                  | YES                                                |                   |
| Output Overvoltage Protection       |                  | YES                                                |                   |
| Anti-Islanding Protection           |                  | YES                                                |                   |
| Output Short-Circuit Protection     |                  | YES                                                |                   |

1: Sub-1G: HYX-M600/800/1000-S, Built-in Wi-Fi: HYX-M600/800/1000-SW

Nominal voltage/frequency ranges may vary depending on local requirements.

Refer to local requirements for the exact number of microinverters per branch.



# 4-in-1 Microinverter

HYX-M1600/1800/2000-S  
HYX-M1600/1800/2000-SW



## Efficient & Optimized

- 20V Start-Up with 150% Overload
- Module-Level MPPT
- 2,000VA Output Power
- 16A High-Current Design

## Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

## Safe & Reliable

- Built-In Relay for Emergency Disconnection
- EMC-Certified Design
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

## Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Sub-1G & Wi-Fi with iMesh Stability

## HYXI 4-in-1 Microinverter 1600 ~ 2000W

| Model                               | HYXI-M1600-S/SW   | HYXI-M1800-S/SW                                    | HYXI-M2000-S/SW   |
|-------------------------------------|-------------------|----------------------------------------------------|-------------------|
| Input (DC)                          |                   |                                                    |                   |
| Typical Module Compatibility        | 320 ~ 600*W       | 360 ~ 670*W                                        | 400 ~ 670*W       |
| Min. /Max. MPPT Voltage             |                   | 16 ~ 60V                                           |                   |
| Max. Input Voltage                  |                   | 65V                                                |                   |
| Start-Up Input Voltage              |                   | 20V                                                |                   |
| Max. Input Current                  |                   | 4*16A                                              |                   |
| Max. Short-Circuit DC Input Current |                   | 4*20A                                              |                   |
| Output (AC)                         |                   |                                                    |                   |
| Nominal Output Power                | 1,600VA           | 1,800VA                                            | 2,000VA           |
| Nominal Output Current              | 7.27A/6.96A/6.67A | 8.18A/7.83A/7.50A                                  | 9.09A/8.70A/8.33A |
| Nominal Output Voltage              |                   | 220V/230V/240V                                     |                   |
| Adjustable Output Voltage Range     |                   | 183 ~ 276V                                         |                   |
| Nominal Frequency                   |                   | 50/60Hz                                            |                   |
| Adjustable Output Frequency Range   |                   | 45 ~ 55Hz, 55 ~ 65Hz                               |                   |
| Power Factor (Default/Adjustable)   |                   | > 0.99/0.8 Leading...0.8 Lagging                   |                   |
| THDi                                |                   | < 3%                                               |                   |
| Max. Units per 10AWG Branch         | 3/4/4             | 3/3/3                                              | 3/3/3             |
| Max. Units per 12AWG Branch         | 2/3/3             | 2/2/2                                              | 2/2/2             |
| Efficiency                          |                   |                                                    |                   |
| Peak Efficiency                     |                   | 96.70%                                             |                   |
| Nominal MPPT Efficiency             |                   | 99.80%                                             |                   |
| Night-Time Power Loss               |                   | < 30mW                                             |                   |
| General Data                        |                   |                                                    |                   |
| Operating Ambient Temperature       |                   | - 40 ~ 65°C                                        |                   |
| Dimensions (W*H*D)                  |                   | 310*236*35.5mm                                     |                   |
| Degree of Protection                |                   | IP67                                               |                   |
| Cooling                             |                   | Natural Cooling - No Fans                          |                   |
| Weight                              |                   | 5kg                                                |                   |
| Features                            |                   |                                                    |                   |
| Communication¹                      |                   | Sub-1G/Built-In WiFi                               |                   |
| Type of Isolation                   |                   | High Frequency Transformers, Galvanically Isolated |                   |
| Warranty                            |                   | 12 Years Standard, 25 Years Optional               |                   |
| Protection                          |                   |                                                    |                   |
| Input Reverse Connection Protection |                   | YES                                                |                   |
| Output Overcurrent Protection       |                   | YES                                                |                   |
| Output Overvoltage Protection       |                   | YES                                                |                   |
| Anti-Islanding Protection           |                   | YES                                                |                   |
| Output Short-Circuit Protection     |                   | YES                                                |                   |

1: Sub-1G: HYX-M1600/1800/2000-S, Built-in Wi-Fi: HYX-M1600/1800/2000-SW  
Nominal voltage/frequency ranges may vary depending on local requirements.  
Refer to local requirements for the exact number of microinverters per branch.



# 4-in-1 Microinverter

HYX-M2500D-SW



### Safe & Reliable

- Safety Protection Relay Integrated
- Integrated Safety Protection Relay
- 60V Low-Voltage with 6,000V Surge Protection
- IP67 Weatherproof & Stable

### Efficient & Optimized

- 20V Start-Up with 150% Overload
- 4 PV Modules with 2,500VA Output Power
- 18A High-Current Design
- Non-Derating Under 50°C

### Easy & Flexible

- Compact Hook Design for Easy Installation
- Plug-and-Play with Flexible Scalability
- Wi-Fi Mesh for Stable Connectivity

### Smart & Manageable

- Intelligent Module-Level Visualization
- Precise Module Fault Detection
- One-Click OTA for Fast Resolution

## HYXI 4-in-1 Microinverter 2500W

| Model                               | HYX-M2500D-SW                                      |
|-------------------------------------|----------------------------------------------------|
| DC Input                            |                                                    |
| Typical Module Compatibility        | 500 ~ 790W                                         |
| MPPT Voltage Range                  | 16 ~ 60V                                           |
| Max. Input Voltage                  | 65V                                                |
| Start-Up Voltage                    | 20V                                                |
| Max. PV Input Current               | 18A                                                |
| Max. Short-Circuit DC Input Current | 25A                                                |
| No. of MPP Trackers                 | 2                                                  |
| Strings per MPP Tracker             | 2                                                  |
| AC Output                           |                                                    |
| Nominal Output Power                | 2,500VA                                            |
| Nominal Output Current              | 11.37A/10.87A/10.42A                               |
| Nominal Output Voltage              | 220V/230V/240V                                     |
| Adjustable Output Voltage Range     | 176 ~ 288V                                         |
| Nominal Frequency                   | 50/60Hz                                            |
| Adjustable Output Frequency Range   | 45 ~ 55Hz, 55 ~ 65Hz                               |
| Power Factor (Default/Adjustable)   | > 0.99/0.8 leading...0.8 lagging                   |
| THDi                                | < 3%                                               |
| Max. Units per 10AWG Branch         | 2/2/2                                              |
| Efficiency                          |                                                    |
| Peak Efficiency                     | 97.20%                                             |
| Nominal MPPT Efficiency             | 99.90%                                             |
| Night-Time Power Loss               | < 70mW                                             |
| General Data                        |                                                    |
| Operating Ambient Temperature       | -40 ~ 75°C                                         |
| Dimensions (W*H*D)                  | 340*229*40.5mm                                     |
| Degree of Protection                | IP67                                               |
| Cooling                             | Natural Cooling, No Fans                           |
| Weight                              | 5.8kg                                              |
| Features                            |                                                    |
| Communication                       | Built-In Wi-Fi                                     |
| Type of Isolation                   | High Frequency Transformers, Galvanically Isolated |
| Warranty                            | 12 Years Standard, 25 Years Optional               |
| Protection                          |                                                    |
| Input Reverse Connection Protection | YES                                                |
| Output Overcurrent Protection       | YES                                                |
| Output Overvoltage Protection       | YES                                                |
| Anti-Islanding Protection           | YES                                                |
| Output Short-Circuit Protection     | YES                                                |

\*Premium: Enabling this function must comply with local regulations and should only be performed by authorized personnel!

\*Support -20°C startup and automatically self-heat the device for a certain time to the charge temperature Range.



# Residential String Inverter

A modern, single-story residential house with white walls and a dark grey roof. The house features a central entrance with a dark door and a small porch. There are several windows with dark frames. The house is surrounded by a well-maintained green lawn and some landscaping, including small trees and shrubs. The sky is a clear, bright blue.

## Overview

HYXI Residential String Inverter PV enhances system reliability and power generation efficiency through a design where each module operates independently.

Its flexible configuration adapts to various roof types, offering easy installation and suitability for different household scenarios.

Combined with inverters and real-time monitoring, the system enables efficient energy management, optimizes power generation, reduces electricity costs, and helps users maximize self-consumption of green energy.



# HYXI EcoSavvy Single Phase String Inverter

HYX-S2K/2K5/3K/3K6-S2



### High Efficiency

- 98.3% Industry-Leading Efficiency
- Low Loss SiC Technology

### Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

### Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

### User-Friendly Design

- 4.5kg, One Hand Installation
- 24dB Ultra Quiet Operation
- Optional LCD, Direct Control

## HYXI EcoSavvy Single Phase String Inverter 2 ~ 3.6kW

| Model                            | HYX-S2K-S2 | HYX-S2K5-S2 | HYX-S3K-S2                 | HYX-S3K6-S2 |
|----------------------------------|------------|-------------|----------------------------|-------------|
| PV Input                         |            |             |                            |             |
| Max. Input Power                 | 3,200W     | 4,000W      | 4,800W                     | 5,760W      |
| Max. Input Voltage               |            |             | 600V                       |             |
| Nominal Input Voltage            |            |             | 360V                       |             |
| Start-Up Voltage                 |            |             | 40V                        |             |
| MPPT Operating Voltage Range     |            |             | 40 ~ 560V                  |             |
| MPPT Full Load Voltage Range     | 200 ~ 450V | 240 ~ 450V  | 280 ~ 450V                 | 300 ~ 450V  |
| Max. Input Current per MPPT      |            |             | 20A                        |             |
| Max. Short-Circuit Current       |            |             | 25A                        |             |
| Number of MPPT                   |            |             | 1                          |             |
| Max. Input Number per MPPT       |            |             | 1                          |             |
| AC Output                        |            |             |                            |             |
| Nominal Output Power             | 2,000W     | 2,500W      | 3,000W                     | 3,600W      |
| Max. Apparent Power              | 2,200VA    | 2,750VA     | 3,300VA                    | 3,600VA     |
| Nominal Output Voltage           |            |             | 1/N/PE, 220V/230V/240V     |             |
| Nominal AC Grid Frequency        |            |             | 50Hz/60Hz                  |             |
| Nominal Output Current           | 9A         | 11.3A       | 13.6A                      | 16.3A       |
| Max. Output Current              | 10A        | 12.5A       | 15A                        | 16.3A       |
| Adjustable Power Factor          |            |             | 0.8 Leading...0.8 Lagging  |             |
| THDi                             |            |             | < 3%                       |             |
| Efficiency                       |            |             |                            |             |
| Max. Efficiency                  |            |             | 98.3%                      |             |
| European Weighted Efficiency     |            |             | 97.6%                      |             |
| MPPT Efficiency                  |            |             | 99.9%                      |             |
| Protection                       |            |             |                            |             |
| Active Anti-Islanding Protection |            |             | YES                        |             |
| Residual Current Monitoring      |            |             | YES                        |             |
| DC Reverse Polarity Protection   |            |             | YES                        |             |
| DC Switch                        |            |             | YES                        |             |
| AC Short-Circuit Protection      |            |             | YES                        |             |
| AC Overvoltage Protection        |            |             | YES                        |             |
| AC Overcurrent Protection        |            |             | YES                        |             |
| DC Surge Protection              |            |             | Type II                    |             |
| AC Surge Protection              |            |             | Type II                    |             |
| Ground Fault Detection           |            |             | YES                        |             |
| AFCI                             |            |             | YES                        |             |
| General Data                     |            |             |                            |             |
| Operating Temperature Range      |            |             | -25 ~ 60°C                 |             |
| Relative Operating Humidity      |            |             | 0 ~ 100%RH                 |             |
| Operating Altitude               |            |             | 4,000m                     |             |
| Cooling                          |            |             | Natural Cooling            |             |
| Display                          |            |             | LED+App (LCD Optional)     |             |
| Communication                    |            |             | RS485/4G (Optional) /Wi-Fi |             |
| Weight                           |            |             | ≤ 4.5kg                    |             |
| Dimensions (W*H*D)               |            |             | 274*234*109mm              |             |
| Topology                         |            |             | Non-Isolated               |             |
| Degree of Protection             |            |             | IP66                       |             |
| Overvoltage Level                |            |             | PV II/AC III               |             |



# HYXI EcoSavvy Single Phase String Inverter

HYX-S5K/6K//7K3/7K5-S2



### High Efficiency

- 98.4% Industry-Leading Efficiency
- Low Loss SiC Technology

### Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

### Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

### User-Friendly Design

- 7kg, One Hand Installation
- Optional LCD, Direct Control

## HYXI EcoSavvy Single Phase String Inverter 5 ~ 7.5kW

| Model                            | HYX-S5K-S2 | HYX-S6K-S2 | HYX-S7K3-S2               | HYX-S7K5-S2 |
|----------------------------------|------------|------------|---------------------------|-------------|
| PV Input                         |            |            |                           |             |
| Max. Input Power                 | 10,000W    | 12,000W    | 14,600W                   | 15,000W     |
| Max. Input Voltage               |            |            | 600V                      |             |
| Nominal Input Voltage            |            |            | 360V                      |             |
| Start-Up Voltage                 |            |            | 50V                       |             |
| MPPT Operating Voltage Range     |            |            | 40 ~ 560V                 |             |
| Max. Input Current per MPPT      |            |            | 20A                       |             |
| Max. Short-Circuit Current       |            |            | 25A                       |             |
| Number of MPPT                   |            |            | 2                         |             |
| Max. Input Number per MPPT       |            |            | 1                         |             |
| AC Output                        |            |            |                           |             |
| Nominal Output Power             | 5,000W     | 6,000W     | 7,300W                    | 7,500W      |
| Max. Apparent Power              | 5,500VA    | 6,600VA    | 7,300VA                   | 7,500VA     |
| Nominal Output Voltage           |            |            | 220V/230V, 140 ~ 300V     |             |
| Nominal AC Grid Frequency        |            |            | 50/60Hz                   |             |
| Nominal Output Current           | 21.7A      | 26.1A      | 31.7A                     | 32.6A       |
| Max. Output Current              | 25A        | 30A        | 33.2A                     | 34.1A       |
| Adjustable Power Factor          |            |            | 0.8 leading...0.8 lagging |             |
| THDi                             |            |            | < 3%                      |             |
| Efficiency                       |            |            |                           |             |
| Max. Efficiency                  |            |            | 98.40%                    |             |
| European Weighted Efficiency     |            |            | 97.60%                    |             |
| MPPT Efficiency                  |            |            | 99.90%                    |             |
| Protection                       |            |            |                           |             |
| Active Anti-Islanding Protection |            |            | YES                       |             |
| Residual Current Monitoring      |            |            | YES                       |             |
| DC Switch                        |            |            | YES                       |             |
| AC Short-Circuit Protection      |            |            | YES                       |             |
| AC Overvoltage Protection        |            |            | YES                       |             |
| AC Overcurrent Protection        |            |            | YES                       |             |
| DC Surge Protection              |            |            | Type II                   |             |
| AC Surge Protection              |            |            | Type II                   |             |
| Ground Fault Detection           |            |            | YES                       |             |
| AFCI                             |            |            | YES                       |             |
| General Data                     |            |            |                           |             |
| Operating Temperature Range      |            |            | -25 ~ 60°C                |             |
| Relative Operating Humidity      |            |            | 0 ~ 100%RH                |             |
| Operating Altitude               |            |            | 4000m                     |             |
| Cooling                          |            |            | Natural Cooling           |             |
| Display                          |            |            | LED+App(LCD Optional)     |             |
| Communication                    |            |            | RS485/4G/WIFI             |             |
| Weight                           |            |            | 7kg                       |             |
| Dimensions (W*H*D)               |            |            | 320*255*150mm             |             |
| Topology                         |            |            | Non-Isolated              |             |
| Degree of Protection             |            |            | IP66                      |             |
| Overvoltage Level                |            |            | PV II/AC III              |             |



# HYXI EcoSavvy

## Single Phase String Inverter

HYX-S8K/9K/10K/10K5-S2



### High Efficiency

- 98.5% Industry-Leading Efficiency
- Low Loss SiC Technology

### Advanced Performance

- 50°C Full Power Stability
- 40V Low Startup Voltage
- 140 ~ 300V Wide AC Range

### Strong Compatibility

- 20A Design, Adaptable to 700W+ Modules
- Single CT or Smart Meter for Export Control
- IP66 Outdoor Durability

### User-Friendly Design

- 14.5kg, Easy Installation

### HYXI EcoSavvy Single Phase String Inverter 8 ~ 10.5kW

| Model                            | HYX-S8K-S2 | HYX-S10K-S2               | HYX-S10K5-S2 |
|----------------------------------|------------|---------------------------|--------------|
| PV Input                         |            |                           |              |
| Max. Input Power                 | 16,000W    | 20,000W                   | 21,000W      |
| Max. Input Voltage               |            | 600V                      |              |
| Nominal Input Voltage            |            | 360V                      |              |
| Start-Up Voltage                 |            | 50V                       |              |
| MPPT Operating Voltage Range     |            | 40 ~ 560V                 |              |
| Max. Input Current per MPPT      |            | 20A                       |              |
| Max. Short-Circuit Current       |            | 25A                       |              |
| Number of MPPT                   |            | 2                         |              |
| Max. Input Number per MPPT       |            | 1/2                       |              |
| AC Output                        |            |                           |              |
| Nominal Output Power             | 8,000W     | 10,000W                   | 10,500W      |
| Max. Apparent Power              | 8,800VA    | 10,500VA                  | 10,500VA     |
| Nominal Output Voltage           |            | 220V/230V, 140 ~ 300V     |              |
| Nominal AC Grid Frequency        |            | 50/60Hz                   |              |
| Nominal Output Current           | 34.8A      | 43.2A                     | 45.7A        |
| Max. Output Current              | 40A        | 47.7A                     | 47.7A        |
| Adjustable Power Factor          |            | 0.8 leading...0.8 lagging |              |
| THDi                             |            | < 3%                      |              |
| Efficiency                       |            |                           |              |
| Max. Efficiency                  |            | 98.5                      |              |
| European Weighted Efficiency     |            | 97.8                      |              |
| MPPT Efficiency                  |            | 99.9                      |              |
| Protection                       |            |                           |              |
| Active Anti-Islanding Protection |            | YES                       |              |
| Residual Current Monitoring      |            | YES                       |              |
| DC Switch                        |            | YES                       |              |
| AC Short-Circuit Protection      |            | YES                       |              |
| AC Overvoltage Protection        |            | YES                       |              |
| AC Overcurrent Protection        |            | YES                       |              |
| DC Surge Protection              |            | Type II                   |              |
| AC Surge Protection              |            | Type II                   |              |
| Ground Fault Detection           |            | YES                       |              |
| AFCI                             |            | YES                       |              |
| General Data                     |            |                           |              |
| Operating Temperature Range      |            | -25 ~ 60°C                |              |
| Relative Operating Humidity      |            | 0 ~ 100%RH                |              |
| Operating Altitude               |            | 4000m                     |              |
| Cooling                          |            | Natural Cooling           |              |
| Display                          |            | LED+App (LCD Optional)    |              |
| Communication                    |            | RS485/4G/WIFI             |              |
| Weight                           |            | 14.5kg                    |              |
| Dimensions (W*H*D)               |            | 340*360*136mm             |              |
| Topology                         |            | Non-Isolated              |              |
| Degree of Protection             |            | IP66                      |              |
| Overvoltage Level                |            | PV II/AC III              |              |



# Single Phase String Inverter

HYX-S3K/3K6/4K/4K6/5K/6K/7K5-S



## Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

## Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 98.2% Efficiency with Wide MPPT Range
- 18A Design, Ideal for High-Power Modules

## Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

## Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring



HYXI Single Phase String Inverter 3 ~ 4.6kW

| Model                            | HYX-S3K-S | HYX-S3K6-S                | HYX-S4K-S | HYX-S4K6-S |
|----------------------------------|-----------|---------------------------|-----------|------------|
| PV Input                         |           |                           |           |            |
| Max. Input Power                 | 4,800W    | 5,760W                    | 6,400W    | 7,360W     |
| Max. Input Voltage               |           |                           | 600V      |            |
| Nominal Input Voltage            |           |                           | 360V      |            |
| Start-Up Voltage                 |           |                           | 100V      |            |
| MPPT Operating Voltage Range     |           |                           | 80 ~ 560V |            |
| Max. Input Current per MPPT      |           |                           | 18A       |            |
| Max. Short-Circuit Current       |           |                           | 24A       |            |
| Number of MPPT                   |           |                           | 2         |            |
| Max. Input Number per MPPT       |           |                           | 1         |            |
| AC Output                        |           |                           |           |            |
| Nominal Output Power             | 3,000W    | 3,600W                    | 4,000W    | 4,600W     |
| Max. Apparent Power              | 3,300VA   | 3,960VA                   | 4,400VA   | 5,060VA    |
| Nominal Output Voltage           |           | 1/N/PE, 220V/230V/240V    |           |            |
| Nominal AC Grid Frequency        |           | 50Hz/60Hz                 |           |            |
| Nominal Output Current           | 13.6A     | 16.4A                     | 18.2A     | 20.9A      |
| Max. Output Current              | 15.0A     | 18.0A                     | 20.0A     | 23.0A      |
| Adjustable Power Factor          |           | 0.8 Leading...0.8 Lagging |           |            |
| THDi                             |           | < 3%                      |           |            |
| Efficiency                       |           |                           |           |            |
| Max. Efficiency                  |           | 98.2%                     |           |            |
| European Weighted Efficiency     |           | 97.6%                     |           |            |
| MPPT Efficiency                  |           | 99.9%                     |           |            |
| Protection                       |           |                           |           |            |
| Active Anti-Islanding Protection |           | YES                       |           |            |
| Residual Current Monitoring      |           | YES                       |           |            |
| DC Reverse Polarity Protection   |           | YES                       |           |            |
| DC Switch                        |           | YES                       |           |            |
| AC Short-Circuit Protection      |           | YES                       |           |            |
| AC Overvoltage Protection        |           | YES                       |           |            |
| AC Overcurrent Protection        |           | YES                       |           |            |
| DC Surge Protection              |           | Type II                   |           |            |
| AC Surge Protection              |           | Type II                   |           |            |
| Ground Fault Detection           |           | YES                       |           |            |
| AFCI                             |           | YES                       |           |            |
| General Data                     |           |                           |           |            |
| Operating Temperature Range      |           | -25 ~ +60℃                |           |            |
| Relative Operating Humidity      |           | 0 ~ 100%RH                |           |            |
| Operating Altitude               |           | 4,000m                    |           |            |
| Cooling                          |           | Natural Cooling           |           |            |
| Display                          |           | LED+App                   |           |            |
| Communication                    |           | RS485/4G/Wi-Fi            |           |            |
| Weight                           |           | 11.6kg                    |           |            |
| Dimensions (W*H*D)               |           | 340*360*136mm             |           |            |
| Topology                         |           | Non-Isolated              |           |            |
| Degree of Protection             |           | IP66                      |           |            |
| Overvoltage Level                |           | PV II/AC III              |           |            |

HYXI Single Phase String Inverter 5 ~ 7.5kW

| Model                            | HYX-S5K-S | HYX-S6K-S                 | HYX-S7K5-S |
|----------------------------------|-----------|---------------------------|------------|
| PV Input                         |           |                           |            |
| Max. Input Power                 | 8,000W    | 9,600W                    | 12,000W    |
| Max. Input Voltage               |           | 600V                      |            |
| Nominal Input Voltage            |           | 360V                      |            |
| Start-Up Voltage                 |           | 100V                      |            |
| MPPT Operating Voltage Range     |           | 80 ~ 560V                 |            |
| Max. Input Current per MPPT      |           | 18A                       |            |
| Max. Short-Circuit Current       |           | 24A                       |            |
| Number of MPPT                   |           | 2                         |            |
| Max. Input Number per MPPT       |           | 1                         |            |
| AC Output                        |           |                           |            |
| Nominal Output Power             | 5,000W    | 6,000W                    | 7,500W     |
| Max. Apparent Power              | 5,500VA   | 6,600VA                   | 7,500VA    |
| Nominal Output Voltage           |           | 1/N/PE, 220V/230V/240V    |            |
| Nominal AC Grid Frequency        |           | 50Hz/60Hz                 |            |
| Nominal Output Current           | 22.7A     | 27.3A                     | 34.0A      |
| Max. Output Current              | 25.0A     | 30.0A                     | 34.0A      |
| Adjustable Power Factor          |           | 0.8 Leading...0.8 Lagging |            |
| THDi                             |           | < 3%                      |            |
| Efficiency                       |           |                           |            |
| Max. Efficiency                  |           | 98.2%                     |            |
| European Weighted Efficiency     |           | 97.6%                     |            |
| MPPT Efficiency                  |           | 99.9%                     |            |
| Protection                       |           |                           |            |
| Active Anti-Islanding Protection |           | YES                       |            |
| Residual Current Monitoring      |           | YES                       |            |
| DC Reverse Polarity Protection   |           | YES                       |            |
| DC Switch                        |           | YES                       |            |
| AC Short-Circuit Protection      |           | YES                       |            |
| AC Overvoltage Protection        |           | YES                       |            |
| AC Overcurrent Protection        |           | YES                       |            |
| DC Surge Protection              |           | Type II                   |            |
| AC Surge Protection              |           | Type II                   |            |
| Ground Fault Detection           |           | YES                       |            |
| AFCI                             |           | YES                       |            |
| General Data                     |           |                           |            |
| Operating Temperature Range      |           | -25 ~ 60°C                |            |
| Relative Operating Humidity      |           | 0 ~ 100%RH                |            |
| Operating Altitude               |           | 4,000m                    |            |
| Cooling                          |           | Natural Cooling           |            |
| Display                          |           | LED+App                   |            |
| Communication                    |           | RS485/4G/Wi-Fi            |            |
| Weight                           |           | 11.6kg                    |            |
| Dimensions (W*H*D)               |           | 340*360*136mm             |            |
| Topology                         |           | Non-Isolated              |            |
| Degree of Protection             |           | IP66                      |            |
| Overvoltage Level                |           | PV II/AC III              |            |



# Single Phase String Inverter

HYX-S7K/8K/9K/10K/12K-S



## Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

## Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 20A Design, Ideal for High-Power Modules
- 98.3% Efficiency with Wide MPPT Range

## Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

## Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

## HYXI Single Phase String Inverter 7 ~ 12kW

| Model                            | HYX-S7K-S                 | HYX-S8K-S | HYX-S9K-S | HYX-S10K-S | HYX-S12K-S |
|----------------------------------|---------------------------|-----------|-----------|------------|------------|
| PV Input                         |                           |           |           |            |            |
| Max. Input Power                 | 11,200W                   | 12,800W   | 14,400W   | 16,000W    | 19,200W    |
| Max. Input Voltage               | 600V                      |           |           |            |            |
| Nominal Input Voltage            | 360V                      |           |           |            |            |
| Start-Up Voltage                 | 80V                       |           |           |            |            |
| MPPT Operating Voltage Range     | 40 ~ 560V                 |           |           |            |            |
| Max. Input Current per MPPT      | 20A                       |           |           |            |            |
| Max. Short-Circuit Current       | 24A                       |           |           |            |            |
| Number of MPPT                   | 2                         |           | 3         |            |            |
| Max. Input Number per MPPT       |                           |           | 1         |            |            |
| AC Output                        |                           |           |           |            |            |
| Nominal Output Power             | 7,000W                    | 8,000W    | 9,000W    | 10,000W    | 12,000W    |
| Max. Apparent Power              | 7,700VA                   | 8,800VA   | 9,900VA   | 11,000VA   | 13,200VA   |
| Nominal Output Voltage           | 1/N/PE, 220V/230V/240V    |           |           |            |            |
| Nominal AC Grid Frequency        | 50/60Hz                   |           |           |            |            |
| Nominal Output Current           | 31.8A                     | 36.4A     | 40.9A     | 45.5A      | 54.5A      |
| Max. Output Current              | 35A                       | 40A       | 45A       | 50A        | 60A        |
| Adjustable Power Factor          | 0.8 Leading...0.8 Lagging |           |           |            |            |
| THDi                             | < 3%                      |           |           |            |            |
| Efficiency                       |                           |           |           |            |            |
| Max. Efficiency                  | 98.2%                     |           |           |            |            |
| European Weighted Efficiency     | 97.6%                     |           |           |            |            |
| MPPT Efficiency                  | 99.9%                     |           |           |            |            |
| Protection                       |                           |           |           |            |            |
| Active Anti-Islanding Protection | YES                       |           |           |            |            |
| Residual Current Monitoring      | YES                       |           |           |            |            |
| DC Reverse Polarity Protection   | YES                       |           |           |            |            |
| DC Switch                        | YES                       |           |           |            |            |
| AC Short-Circuit Protection      | YES                       |           |           |            |            |
| AC Overvoltage Protection        | YES                       |           |           |            |            |
| AC Overcurrent Protection        | YES                       |           |           |            |            |
| DC Surge Protection              | Type II                   |           |           |            |            |
| AC Surge Protection              | Type II                   |           |           |            |            |
| Ground Fault Detection           | YES                       |           |           |            |            |
| AFCI                             | YES                       |           |           |            |            |
| General Data                     |                           |           |           |            |            |
| Operating Temperature Range      | -30 ~ 60°C                |           |           |            |            |
| Relative Operating Humidity      | 0 ~ 100%RH                |           |           |            |            |
| Operating Altitude               | 4,000m                    |           |           |            |            |
| Cooling                          | Natural Cooling           |           |           |            |            |
| Display                          | LED+App                   |           |           |            |            |
| Communication                    | RS485/4G/Wi-Fi            |           |           |            |            |
| Weight                           | 23kg                      |           |           |            |            |
| Dimensions (W*H*D)               | 522*416*162.5mm           |           |           |            |            |
| Topology                         | Non-Isolated              |           |           |            |            |
| Degree of Protection             | IP66                      |           |           |            |            |
| Overvoltage Level                | PV II/AC III              |           |           |            |            |



# Three Phase String Inverter

HYX-S5K/6K/8K/10K/12K-T



## Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

## Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 98.2% Efficiency with Wide MPPT Range
- 18A Design, Ideal for High-Power Modules

## Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

## Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Energy Monitoring

## HXYI Three Phase String Inverter 5 ~ 12kW

| Model                            | HYX-S5K-T                   | HYX-S6K-T             | HYX-S8K-T               | HYX-S10K-T               | HYX-S12K-T              |
|----------------------------------|-----------------------------|-----------------------|-------------------------|--------------------------|-------------------------|
| PV Input                         |                             |                       |                         |                          |                         |
| Max. Input Power                 | 8,000W                      | 9,600W                | 12,800W                 | 16,000W                  | 19,200W                 |
| Max. Input Voltage               | 1,100V                      |                       |                         |                          |                         |
| Nominal Input Voltage            | 600V                        |                       |                         |                          |                         |
| Start-Up Voltage                 | 160V                        |                       |                         |                          |                         |
| MPPT Operating Voltage Range     | 140 ~ 1,000V                |                       |                         |                          |                         |
| Max. Input Current per MPPT      | 18A                         |                       |                         |                          |                         |
| Max. Short-Circuit Current       | 24A                         |                       |                         |                          |                         |
| Number of MPPT                   | 2                           |                       |                         |                          |                         |
| Max. Input Number per MPPT       | 1                           |                       |                         |                          |                         |
| AC Output                        |                             |                       |                         |                          |                         |
| Nominal Output Power             | 5,000W                      | 6,000W                | 8,000W                  | 10,000W                  | 12,000W                 |
| Max. Apparent Power              | 5,500VA                     | 6,600VA               | 8,800VA                 | 11,000VA                 | 13,200VA                |
| Nominal Output Voltage           | 3L/N/PE, 220/380V, 230/400V |                       |                         |                          |                         |
| Nominal AC Grid Frequency        | 50/60Hz                     |                       |                         |                          |                         |
| Nominal Output Current           | 7.5A/380V   7.2A/400V       | 9.1A/380V   8.7A/400V | 12.2A/380V   11.5A/400V | 15.2A/380V   14.4A/400V  | 18.2A/380V   17.3A/400V |
| Max. Output Current              | 8.3A/380V   7.9A/400V       | 10A/380V   9.5A/400V  | 13.5A/380V   12.7A/400V | 16.9A /380V   15.8A/400V | 20.1A/380V   19.1A/400V |
| Adjustable Power Factor          | 0.8 Leading...0.8 Lagging   |                       |                         |                          |                         |
| THDi                             | < 3%                        |                       |                         |                          |                         |
| Efficiency                       |                             |                       |                         |                          |                         |
| Max. Efficiency                  | 98.50%                      |                       |                         |                          |                         |
| European Weighted Efficiency     | 98.10%                      |                       |                         |                          |                         |
| MPPT Efficiency                  | 99.90%                      |                       |                         |                          |                         |
| Protection                       |                             |                       |                         |                          |                         |
| Active Anti-Islanding Protection | YES                         |                       |                         |                          |                         |
| Residual Current Monitoring      | YES                         |                       |                         |                          |                         |
| DC Reverse Polarity Protection   | YES                         |                       |                         |                          |                         |
| DC Switch                        | YES                         |                       |                         |                          |                         |
| AC Short-Circuit Protection      | YES                         |                       |                         |                          |                         |
| AC Overvoltage Protection        | YES                         |                       |                         |                          |                         |
| AC Overcurrent Protection        | YES                         |                       |                         |                          |                         |
| DC Surge Protection              | Type II                     |                       |                         |                          |                         |
| AC Surge Protection              | Type II                     |                       |                         |                          |                         |
| Ground Fault Detection           | YES                         |                       |                         |                          |                         |
| AFCI                             | YES                         |                       |                         |                          |                         |
| General Data                     |                             |                       |                         |                          |                         |
| Operating Temperature Range      | -30 ~ +60°C                 |                       |                         |                          |                         |
| Relative Operating Humidity      | 0 ~ 100%RH                  |                       |                         |                          |                         |
| Operating Altitude               | 4,000m                      |                       |                         |                          |                         |
| Cooling                          | Natural Cooling             |                       |                         |                          |                         |
| Display                          | LED+App                     |                       |                         |                          |                         |
| Communication                    | RS485/4G/Wi-Fi              |                       |                         |                          |                         |
| Weight                           | 21kg                        |                       |                         |                          |                         |
| Dimensions (W*H*D)               | 522*416*162.5 mm            |                       |                         |                          |                         |
| Topology                         | Non-Isolated                |                       |                         |                          |                         |
| Degree of Protection             | IP66                        |                       |                         |                          |                         |
| Overvoltage Level                | PV II/AC III                |                       |                         |                          |                         |



# Three Phase String Inverter

HYX-S15K/17K/20K/25K-T



## Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

## Profitable & Efficient

- 160% PV Oversizing for Extended Output
- 40A Design, Ideal for High-Power Modules
- 98.3% Efficiency with Wide MPPT Range

## Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

## Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Scenario-Based App with Real-Time Energy Monitoring

## HYXI Three Phase String Inverter 15 ~ 25kW

| Model                            | HYX-S15K-T              | HYX-H20K-HT                 | HYX-S25K-T              |
|----------------------------------|-------------------------|-----------------------------|-------------------------|
| PV Input                         |                         |                             |                         |
| Max. Input Power                 | 24,000W                 | 32,000W                     | 40,000W                 |
| Max. Input Voltage               |                         | 1,100V                      |                         |
| Nominal Input Voltage            |                         | 600V                        |                         |
| Start-Up Voltage                 |                         | 160V                        |                         |
| MPPT Operating Voltage Range     |                         | 140 ~ 1,000V                |                         |
| Max. Input Current per MPPT      |                         | 40A                         |                         |
| Max. Input Current per String    |                         | 20A                         |                         |
| Max. Short-Circuit Current       |                         | 50A                         |                         |
| Number of MPPT                   |                         | 2                           |                         |
| Max. Input Number per MPPT       |                         | 2                           |                         |
| AC Output                        |                         |                             |                         |
| Nominal Output Power             | 15,000W                 | 20,000W                     | 25,000W                 |
| Max. Apparent Power              | 16,500VA                | 22,000VA                    | 27,500VA                |
| Nominal Output Voltage           |                         | 3L/N/PE, 220/380V, 230/400V |                         |
| Nominal AC Grid Frequency        |                         | 50/60Hz                     |                         |
| Nominal Output Current           | 22.8A/380V   21.7A/400V | 30.4A/380V   28.9A/400V     | 38.0A/380V   36.1A/400V |
| Max. Output Current              | 25.2A/380V   23.9A/400V | 33.6A/380V   31.9A/400V     | 42.0A/380V   39.9A/400V |
| Adjustable Power Factor          |                         | 0.8 Leading...0.8 Lagging   |                         |
| THDi                             |                         | < 3%                        |                         |
| Efficiency                       |                         |                             |                         |
| Max. Efficiency                  |                         | 98.5%                       |                         |
| European Weighted Efficiency     |                         | 98.2%                       |                         |
| MPPT Efficiency                  |                         | 99.9%                       |                         |
| Protection                       |                         |                             |                         |
| Active Anti-Islanding Protection |                         | YES                         |                         |
| Residual Current Monitoring      |                         | YES                         |                         |
| DC Reverse Polarity Protection   |                         | YES                         |                         |
| DC Switch                        |                         | YES                         |                         |
| AC Short-Circuit Protection      |                         | YES                         |                         |
| AC Overvoltage Protection        |                         | YES                         |                         |
| AC Overcurrent Protection        |                         | YES                         |                         |
| DC Surge Protection              |                         | Type II                     |                         |
| AC Surge Protection              |                         | Type II                     |                         |
| Ground Fault Detection           |                         | YES                         |                         |
| AFCI                             |                         | YES                         |                         |
| General Data                     |                         |                             |                         |
| Operating Temperature Range      |                         | -30 ~ 60°C                  |                         |
| Relative Operating Humidity      |                         | 0 ~ 100%RH                  |                         |
| Operating Altitude               |                         | 4,000m                      |                         |
| Cooling                          |                         | Smart Air Cooling           |                         |
| Display                          |                         | LED+App                     |                         |
| Communication                    |                         | RS485/4G/Wi-Fi              |                         |
| Weight                           |                         | 27kg                        |                         |
| Dimensions (W*H*D)               |                         | 519*426*192mm               |                         |
| Topology                         |                         | Non-Isolated                |                         |
| Degree of Protection             |                         | IP66                        |                         |
| Overvoltage Level                |                         | PV II/AC III                |                         |



# C&I PV and ESS

## Overview

HYXI C&I PV and ESS combines PV generation and storage systems to enable self-consumption, peak shaving, and Time-of-use (TOU) arbitrage.

It optimizes energy use, stores electricity during low-price periods, and releases it during peak times, reducing electricity costs. Supporting both grid-connected and off-grid modes, it suits areas with unstable grids or price fluctuations.

The system uses high-safety lithium iron phosphate batteries for stable, efficient operation, driving both energy savings and economic benefits.



# Three Phase String Inverter

HYX-S29K9/30K/33K/36K/40K/50K-T



### Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

### Profitable & Efficient

- 40A Input, 182 & 210mm Panels Supported
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

### Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup

### Smart & Manageable

- Intelligent IV Diagnostics for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

## HYXI Three Phase String Inverter 29.9 ~ 50kW

| Model                            | HYX-S29K9-T                 | HYX-S30K-T               | HYX-S33K-T               | HYX-S36K-T             | HYX-S40K-T               | HYX-S50K-T             |
|----------------------------------|-----------------------------|--------------------------|--------------------------|------------------------|--------------------------|------------------------|
| PV Input                         |                             |                          |                          |                        |                          |                        |
| Max. Input Power                 | 48kW                        | 48kW                     | 52.8kW                   | 57.6kW                 | 64kW                     | 80kW                   |
| Max. Input Voltage               | 1100V                       |                          |                          |                        |                          |                        |
| Nominal Input Voltage            | 600V                        |                          |                          |                        |                          |                        |
| Start-Up Voltage                 | 160V                        |                          |                          |                        |                          |                        |
| MPPT Operating Voltage Range     | 140 ~ 1000V                 |                          |                          |                        |                          |                        |
| Max. Input Current per MPPT      | 40A                         |                          |                          |                        |                          |                        |
| Max. Input Current per String    | 20A                         |                          |                          |                        |                          |                        |
| Max. Short-Circuit Current       | 50A                         |                          |                          |                        |                          |                        |
| Number of MPPT                   | 3                           | 3                        | 3                        | 4                      | 4                        |                        |
| Max. Input Number per MPPT       | 2                           |                          |                          |                        |                          |                        |
| AC Output                        |                             |                          |                          |                        |                          |                        |
| Nominal Output Power             | 29.9kW                      | 30kW                     | 33kW                     | 36kW                   | 40kW                     | 50kW                   |
| Max. Apparent Power              | 29.9KVA                     | 33kVA                    | 36.3kVA                  | 39.6kVA                | 44kVA                    | 55kVA                  |
| Nominal Output Voltage           | 3L/N/PE, 220/380V, 230/400V |                          |                          |                        |                          |                        |
| Nominal AC Grid Frequency        | 50/60Hz                     |                          |                          |                        |                          |                        |
| Nominal Output Current           | 45.4A/380V<br>43.1A/400V    | 45.6A/380V<br>43.3A/400V | 50.2A/380V<br>47.6A/400V | 54.7A/380V<br>52A/400V | 60.8A/380V<br>57.7A/400V | 76A/380V<br>72.2A/400V |
| Max. Output Current              | 45.4A/380V                  | 50.2A/380V               | 55.2A/380V               | 60.2A/380V             | 66.9A/380V               | 83.6A/380V             |
|                                  | 43.1A/400V                  | 47.6A/400V               | 52.4A/400V               | 57.2A/400V             | 63.5A/400V               | 79.4A/400V             |
| Adjustable Power Factor          | 0.8 Leading...0.8 Lagging   |                          |                          |                        |                          |                        |
| THDi                             | < 3%                        |                          |                          |                        |                          |                        |
| Efficiency                       |                             |                          |                          |                        |                          |                        |
| Max. Efficiency                  | 98.60%                      |                          |                          |                        |                          |                        |
| European Weighted Efficiency     | 98.10%                      |                          |                          |                        |                          |                        |
| MPPT Efficiency                  | 99.90%                      |                          |                          |                        |                          |                        |
| Protection                       |                             |                          |                          |                        |                          |                        |
| Active Anti-islanding Protection | YES                         |                          |                          |                        |                          |                        |
| Residual Current Monitoring      | YES                         |                          |                          |                        |                          |                        |
| DC Reverse Polarity Protection   | YES                         |                          |                          |                        |                          |                        |
| DC Switch                        | YES                         |                          |                          |                        |                          |                        |
| AC Short-Circuit Protection      | YES                         |                          |                          |                        |                          |                        |
| AC Overvoltage Protection        | YES                         |                          |                          |                        |                          |                        |
| AC Overcurrent Protection        | YES                         |                          |                          |                        |                          |                        |
| DC Surge Protection              | Type II                     |                          |                          |                        |                          |                        |
| AC Surge Protection              | Type II                     |                          |                          |                        |                          |                        |
| Ground Fault Detection           | YES                         |                          |                          |                        |                          |                        |
| AFCI                             | Optional                    |                          |                          |                        |                          |                        |
| PID Recovery                     | Optional                    |                          |                          |                        |                          |                        |
| General Data                     |                             |                          |                          |                        |                          |                        |
| Operating Temperature Range      | -30 ~ 60℃                   |                          |                          |                        |                          |                        |
| Relative Operating Humidity      | 0 ~ 100%RH                  |                          |                          |                        |                          |                        |
| Operating Altitude               | 4,000m                      |                          |                          |                        |                          |                        |
| Cooling                          | Smart Air Cooling           |                          |                          |                        |                          |                        |
| Display                          | LED/WLAN+App                |                          |                          |                        |                          |                        |
| Communication                    | RS485/4G/Wi-Fi              |                          |                          |                        |                          |                        |
| Weight                           | 44kg                        |                          |                          |                        |                          |                        |
| Dimensions (W*H*D)               | 615*460*268.5mm             |                          |                          |                        |                          |                        |
| Topology                         | Non-Isolated                |                          |                          |                        |                          |                        |
| Degree of Protection             | IP66                        |                          |                          |                        |                          |                        |
| Overvoltage Level                | PV II/AC III                |                          |                          |                        |                          |                        |



# Three Phase String Inverter

HYX-S100K/110K/120K-T



### Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown

### Profitable & Efficient

- 40A Input per MPPT
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

### Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

### Smart & Manageable

- Three-Phase Wiring Sequence Adaptive, Easy System Wiring
- AI IV Scanning for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

## HYXI Three Phase String Inverter 100 ~ 125kW

| Model                            | HYX-S100K-T2              | HYX-S110K-T2                   | HYX-S125K-T2              |
|----------------------------------|---------------------------|--------------------------------|---------------------------|
| PV Input                         |                           |                                |                           |
| Max. Input Voltage               |                           | 1100V                          |                           |
| Nominal Input Voltage            |                           | 650V                           |                           |
| Start-Up Voltage                 |                           | 160V                           |                           |
| MPPT Operating Voltage Range     |                           | 140 ~ 1,000V                   |                           |
| Max. Input Current per MPPT      |                           | 40A                            |                           |
| Max. Input Current per String    |                           | 20A                            |                           |
| Max. Short-Circuit Current       |                           | 50A                            |                           |
| Number of MPPT                   |                           | 8                              |                           |
| Max. Input Number per MPPT       |                           | 2                              |                           |
| AC Output                        |                           |                                |                           |
| Nominal Output Power             | 100kW                     | 110kW                          | 125kW                     |
| Max. Apparent Power              | 110kVA                    | 121kVA                         | 125kVA                    |
| Nominal Output Voltage           |                           | 220/380V , 230/400V , 3L/N/PE  |                           |
| Nominal AC Grid Frequency        |                           | 50/60Hz                        |                           |
| Nominal Output Current           | 151.9A/380V   144.3A/400V | 167.1A/380V   158.7A/400V      | 189.9A/380V   180.4A/400V |
| Max. Output Current              | 167.1A/380V   158.7A/400V | 183.8A/380V   174.6A/400V      | 189.9A/380V   180.4A/400V |
| Adjustable Power Factor          |                           | 0.99/0.8 Leading...0.8 Lagging |                           |
| THDi                             |                           | < 3%                           |                           |
| Efficiency                       |                           |                                |                           |
| Max. Efficiency                  |                           | 98.50%                         |                           |
| European Weighted Efficiency     |                           | 98.00%                         |                           |
| MPPT Efficiency                  |                           | 99.90%                         |                           |
| Protection                       |                           |                                |                           |
| Active Anti-islanding Protection |                           | YES                            |                           |
| Residual Current Monitoring      |                           | YES                            |                           |
| DC Reverse Polarity Protection   |                           | YES                            |                           |
| DC Switch                        |                           | YES                            |                           |
| AC Short-Circuit Protection      |                           | YES                            |                           |
| AC Overvoltage Protection        |                           | YES                            |                           |
| AC Overcurrent Protection        |                           | YES                            |                           |
| DC Surge Protection              |                           | Type II                        |                           |
| AC Surge Protection              |                           | Type II                        |                           |
| Ground Fault Detection           |                           | YES                            |                           |
| AFCI                             |                           | Optional                       |                           |
| PID Recovery                     |                           | Optional                       |                           |
| General Data                     |                           |                                |                           |
| Operating Temperature Range      |                           | -30 ~ 60°C                     |                           |
| Relative Operating Humidity      |                           | 0 ~ 100%RH                     |                           |
| Operating Altitude               |                           | 4,000m                         |                           |
| Cooling                          |                           | Smart Air Cooling              |                           |
| Display                          |                           | LED/WLAN+App                   |                           |
| Communication                    |                           | RS485/4G/Wi-Fi                 |                           |
| Weight                           |                           | 95kg                           |                           |
| Dimensions (W*H*D)               |                           | 880*760*340mm                  |                           |
| Topology                         |                           | Non-Isolated                   |                           |
| Degree of Protection             |                           | IP66                           |                           |
| Overvoltage Level                |                           | PV II/AC III                   |                           |



# Three Phase String Inverter

HYX-S80K/99K9/100K/110K/125K-T2



### Safe & Reliable

- IP66, 1,400+ Cumulative Rigorous Tests
- Type II DC/AC Surge Protection, Lightning-Proof
- 300m AFCI Detection with 0.5s Rapid Shutdown
- RSD and PV Monitoring Supported

### Profitable & Efficient

- 40A Input per MPPT
- Built-In PID Repair, Improving Overall System Performance
- AI Dynamic MPPT, Boosting Power Generation by 5%

### Convenient & User-Friendly

- Compact and Lightweight Design, Plug and Play Installation
- App-Based Quick Setup, Simple and Efficient

### Smart & Manageable

- Three-Phase Wiring Sequence Adaptive, Easy System Wiring
- AI IV Scanning for Precise Fault Identification
- Real-Time Monitoring with OTA for Online Maintenance

## HYXI Three Phase String Inverter 80 ~ 125kW

| Model                            | HYX-S80K-T2                    |                           | HYX-S99K9-T2 | HYX-S100K-T2              | HYX-S110K-T2              | HYX-S125K-T2              |
|----------------------------------|--------------------------------|---------------------------|--------------|---------------------------|---------------------------|---------------------------|
| PV Input                         |                                |                           |              |                           |                           |                           |
| Max. Input Voltage               |                                |                           |              | 1,100V                    |                           |                           |
| Nominal Input Voltage            |                                |                           |              | 650V                      |                           |                           |
| Start-Up Voltage                 |                                |                           |              | 160V                      |                           |                           |
| MPPT Operating Voltage Range     |                                |                           |              | 140 ~ 1,000V              |                           |                           |
| Max. Input Current per MPPT      |                                |                           |              | 40A                       |                           |                           |
| Max. Input Current per String    |                                |                           |              | 20A                       |                           |                           |
| Max. Short-Circuit Current       |                                |                           |              | 50A                       |                           |                           |
| Number of MPPT                   | 6                              | 8                         |              | 8                         | 8                         | 8                         |
| Max. Input Number per MPPT       |                                |                           |              | 2                         |                           |                           |
| AC Output                        |                                |                           |              |                           |                           |                           |
| Nominal Output Power             | 80kW                           | 99.9kW                    |              | 100kW                     | 110kW                     | 125kW                     |
| Max. Apparent Power              | 88kVA                          | 109.9kVA                  |              | 110kVA                    | 121kVA                    | 125kVA                    |
| Nominal Output Voltage           | 220/380V, 230/400V, 3L/N/PE    |                           |              |                           |                           |                           |
| Nominal AC Grid Frequency        | 50/60Hz                        |                           |              |                           |                           |                           |
| Nominal Output Current           | 121.5A/380V   115.5A/400V      | 151.9A/380V   144.3A/400V |              | 151.9A/380V   144.3A/400V | 167.1A/380V   158.7A/400V | 189.9A/380V   180.4A/400V |
| Max. Output Current              | 133.7A/380V   127A/400V        | 167.1A/380V   158.7A/400V |              | 167.1A/380V   158.7A/400V | 183.8A/380V   174.6A/400V | 189.9A/380V   180.4A/400V |
| Adjustable Power Factor          | 0.99/0.8 Leading...0.8 Lagging |                           |              |                           |                           |                           |
| THDi                             | < 3%                           |                           |              |                           |                           |                           |
| Efficiency                       |                                |                           |              |                           |                           |                           |
| Max. Efficiency                  |                                |                           |              | 98.50%                    |                           |                           |
| European Weighted Efficiency     |                                |                           |              | 98.00%                    |                           |                           |
| MPPT Efficiency                  |                                |                           |              | 99.90%                    |                           |                           |
| Protection                       |                                |                           |              |                           |                           |                           |
| Active Anti-islanding Protection |                                |                           |              | YES                       |                           |                           |
| Residual Current Monitoring      |                                |                           |              | YES                       |                           |                           |
| DC Reverse Polarity Protection   |                                |                           |              | YES                       |                           |                           |
| DC Switch                        |                                |                           |              | YES                       |                           |                           |
| AC Short-Circuit Protection      |                                |                           |              | YES                       |                           |                           |
| AC Overvoltage Protection        |                                |                           |              | YES                       |                           |                           |
| AC Overcurrent Protection        |                                |                           |              | YES                       |                           |                           |
| DC Surge Protection              |                                |                           |              | Type II                   |                           |                           |
| AC Surge Protection              |                                |                           |              | Type II                   |                           |                           |
| Ground Fault Detection           |                                |                           |              | YES                       |                           |                           |
| AFCI                             |                                |                           |              | Optional                  |                           |                           |
| PID Recovery                     |                                |                           |              | Optional                  |                           |                           |
| General Data                     |                                |                           |              |                           |                           |                           |
| Operating Temperature Range      |                                |                           |              | -30 ~ 60°C                |                           |                           |
| Relative Operating Humidity      |                                |                           |              | 0 ~ 100%RH                |                           |                           |
| Operating Altitude               |                                |                           |              | 4,000m                    |                           |                           |
| Cooling                          |                                |                           |              | Smart Air Cooling         |                           |                           |
| Display                          |                                |                           |              | LED/WLAN+App              |                           |                           |
| Communication                    |                                |                           |              | RS485/4G/Wi-Fi            |                           |                           |
| Weight                           |                                |                           |              | 95kg                      |                           |                           |
| Dimensions (W*H*D)               |                                |                           |              | 880*760*340mm             |                           |                           |
| Topology                         |                                |                           |              | Non-Isolated              |                           |                           |
| Degree of Protection             |                                |                           |              | IP66                      |                           |                           |
| Overvoltage Level                |                                |                           |              | PV II/AC III              |                           |                           |



# HYXI Atlas

## Air Cooling ESS 100kWh

HYX-EF100P2-EU



### Strong Environmental Adaptability

- IP55 Protection & C5 Anti-Corrosion
- Reliable Operation in Harsh Outdoor Environments
- Resistant to Humidity, Salt Fog & Sand Dust

### Compact Footprint

- Footprint per Cabinet < 1.3m<sup>2</sup>
- Flexible Deployment for Space-Constrained Sites
- High Space Utilization Efficiency

### Low Noise Operation

- Operating Noise ≤ 70 dB
- Meets Commercial & Industrial Noise Control Requirements

### Easy Installation

- Integrated All-in-One Cabinet Design
- Plug-and-Play for Rapid Deployment
- Reduced Installation Time & Construction Cost

### Convenient O&M

- Modular Design for Easy Maintenance
- AI-Driven EMS Remote Smart O&M
- Reduced Overseas Maintenance Pressure

### Outdoor Hybrid Cabinet

| Model                                         | HYX-EF100P2-EU                                                   |
|-----------------------------------------------|------------------------------------------------------------------|
| Battery                                       |                                                                  |
| Battery Type                                  | LiFePO4                                                          |
| Battery Capacity                              | 314Ah                                                            |
| Rated Current                                 | 157A                                                             |
| Pack Configuration                            | IP20S*5                                                          |
| Voltage Range                                 | 280 ~ 365V                                                       |
| Nominal Capacity                              | 100.48kWh                                                        |
| AC Side (On-grid)                             |                                                                  |
| AC Rated Voltage                              | 3/N/PE, 220/380V                                                 |
| Frequency                                     | 50/60Hz                                                          |
| Frequency Range                               | ± 5Hz                                                            |
| Rated AC Power                                | 50kW                                                             |
| Rated AC Current                              | 76A                                                              |
| Power Factor                                  | 0.8 Leading...0.8 Lagging                                        |
| THDi                                          | <3% (Rated power)                                                |
| PV Side                                       |                                                                  |
| Max. Input Power                              | 100kW                                                            |
| Max. Input Voltage                            | 1,000V                                                           |
| MPPT Voltage Range                            | 150 ~ 950V                                                       |
| Start-Up voltage                              | 180V                                                             |
| Max. Input Current                            | 40A*4                                                            |
| Max. Input Short Circuit Current per MPPT     | 60A*4                                                            |
| No. of MPPT Trackers/Strings per MPPT Tracker | 4/2                                                              |
| System                                        |                                                                  |
| Weight                                        | ≈ 1,100kg                                                        |
| Dimension (W/D/H)                             | W750*D1,300*H2,350mm                                             |
| Operating Temperature                         | -30 ~ 55 °C                                                      |
| Operating Humidity                            | 0 ~ 100%RH (Non-Condensing)                                      |
| Ingress Protection                            | IP55                                                             |
| Anti-Corrosion Grade                          | C5                                                               |
| Cooling Method                                | Air Cooling                                                      |
| Noise                                         | ≤70dB                                                            |
| Altitude                                      | < 3,000m                                                         |
| Fire Protection                               | Aerosol, Multi-Sensor/Water Ingress, Explosion-Proof Ventilation |
| Communication                                 | Ethernet/Wi-Fi/4G                                                |
| Certification                                 | CE, LVD, UN38.3, UL9540A                                         |



# HYXI Atlas C&I ESS

Stable Power, Smart Revenue.

## Automotive-Grade Precision

## Automatic Liquid Refill

70% Less Service Time

## 10-Minute Replacement

## 271 Temperature Sensors

## ≥2h Fire Resistance

## 20ms Stopped Risks in 20ms

## Whole Cabinet C5

## Cold to Heat

-30°C 55°C

## Industrial-Grade Power Conversion

## Smart AI Strategy

>20% Revenue Improvement

## Every-Phase Feedback 0

30kW 10kW 20kW

0kW Phase 1 0kW Phase 2 0kW Phase 3



# HYXI Atlas

## Liquid Cooling ESS

HYX-EL261P2-EU



### Superior Performance

- 314Ah LiFePO4 Cell, Scalable up to MWh
- Automotive-Grade Pack & BMS
- Three-Phase Four-Leg PCS, 100% Unbalanced Operation Support
- Suitable for Harsh Environment: IP55/C5

### Extremely Safe

- 7-Layer Fire Protection Design
- 271-Point Thermal Monitoring
- 50mm A1-Grade Insulation
- 6-Layer Electrical Protection, 20ms Cut-Off

### Intelligent Energy

- AI-Driven EMS
- Smart Phase Zero Export Control
- Customizable Interface

### Easy O&M

- 10-Minute Module Replacement
- Compact Design, 20% Less Footprint
- Auto Refill, Minimal Maintenance

### HYXI Atlas Liquid Cooling ESS 125kW/261kWh

| Model                       | HYX-EL261P2-EU                                                                                              |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Battery Rating              |                                                                                                             |
| Cell Type                   | LiFePO4                                                                                                     |
| Cell Capacity               | 314Ah                                                                                                       |
| Battery Configuration       | 1P260S                                                                                                      |
| Battery Nominal Voltage     | 832V                                                                                                        |
| Battery Operating Voltage   | 728 ~ 936V                                                                                                  |
| Battery Nominal Capacity    | 261kWh                                                                                                      |
| AC Side (On-Grid)           |                                                                                                             |
| Nominal Power               | 125kW                                                                                                       |
| Nominal Voltage             | 3L/N/PE, 230/400V                                                                                           |
| Nominal Current             | 180A                                                                                                        |
| Nominal Frequency           | 50/60Hz                                                                                                     |
| Frequency Range             | 50/60Hz ± 2.5Hz                                                                                             |
| Max. THD of Current         | < 3% ( Nominal Power )                                                                                      |
| DC Component                | < 0.5% ( Nominal Power )                                                                                    |
| Power Factor Range          | 0.99 Leading...0.99 Lagging                                                                                 |
| AC Side (Off-Grid)          |                                                                                                             |
| Nominal Power               | 125kW                                                                                                       |
| Nominal Voltage             | 3L/N/PE, 230/400V                                                                                           |
| Nominal Frequency           | 50/60Hz                                                                                                     |
| Max. THD of Current         | < 3% ( Linear Load )                                                                                        |
| Unbalance Load Capacity     | 100%                                                                                                        |
| General Data                |                                                                                                             |
| Dimensions (W*H*D)          | 1,000mm*2,402mm*1,467mm                                                                                     |
| Weight                      | 2,620kg                                                                                                     |
| Degree of Protection        | IP55                                                                                                        |
| Anti-Corrosion Degree       | C5                                                                                                          |
| Operating Humidity Range    | 0 ~ 100%                                                                                                    |
| Operating Temperature Range | -30 ~ 55°C ( > 45°C Derating )                                                                              |
| Max. Operating Altitude     | 3,000m                                                                                                      |
| Cooling Method              | Liquid Cooling                                                                                              |
| Noise                       | ≤ 70dB                                                                                                      |
| Fire Suppression System     | Flammable gas detector, Smoke detector, Heat detector, Alarm sounder, Smoke exhaust fan, Aerosol, Sprinkler |
| Communication Interface     | Ethernet/Wi-Fi/4G                                                                                           |
| Communication Protocol      | Modbus TCP                                                                                                  |
| Certifications              | IEC62619, IEC60730, IEC63056, IEC62477, IEC61000, UN38.3                                                    |



# Utility PV and ESS

## Overview

HYXI Utility PV and ESS incorporates advanced design to enhance output power and conversion efficiency, reducing switching losses and utilizing AI-driven dynamic MPPT to boost power generation.

The system ensures ultimate reliability with temperature monitoring, overheat protection, and smart string disconnection for fast shutdown, all while undergoing rigorous testing for durability.

It supports grid-friendly power quality with low harmonic distortion, and smart management enables fault detection accuracy, real-time monitoring, and remote maintenance support.

Safety is prioritized through multi-layer electrical protection, AI thermal balance, and flame-retardant features, while precision monitoring ensures early warning and fire response.



# Three Phase String Inverter

HYX-S250/320/333/350K-HT



### Ultimately Reliable

- Terminal Overheat Protection
- Smart String Disconnection, < 25ms Fast Shutdown
- IP66, 1,400+ Cumulative Rigorous Tests

### Highly Profitable

- 75A Input, Ideal for High-Power Modules
- Max Efficiency up to 99.04%
- AI Dynamic MPPT, Boosting Power Generation by 5%

### Grid-Friendly

- Full Power Feed in Grid SCR ≥ 1.2
- THDi < 3% for Improved Power Quality

### Smart & Manageable

- AI Based IV Curve Scanning and Fault Diagnosis
- Real-Time Monitoring with OTA for Online Maintenance
- Optional Anti-PID Function

## HYXI Three Phase String Inverter 250 ~ 350kW

| Model                            | HYX-S250K-HT |                                    | HYX-S320K-HT      |  | HYX-S333K-HT |  | HYX-S350K-HT |  |
|----------------------------------|--------------|------------------------------------|-------------------|--|--------------|--|--------------|--|
| PV Input                         |              |                                    |                   |  |              |  |              |  |
| Max. Input Voltage               |              |                                    | 1,500V            |  |              |  |              |  |
| Nominal Input Voltage            |              |                                    | 1,080V            |  |              |  |              |  |
| Start-Up Voltage                 |              |                                    | 500V              |  |              |  |              |  |
| MPPT Operating Voltage Range     |              |                                    | 480 ~ 1,500V      |  |              |  |              |  |
| Max. Input Current per MPPT      |              |                                    | 75A               |  |              |  |              |  |
| Max. Short-Circuit Current       |              |                                    | 120A              |  |              |  |              |  |
| Number of MPPT                   |              |                                    | 6                 |  |              |  |              |  |
| Max. Input Number per MPPT       |              |                                    | 5                 |  |              |  |              |  |
| AC Output                        |              |                                    |                   |  |              |  |              |  |
| Nominal Output Power             |              | 250kW                              | 320kW             |  | 333kW        |  | 352kW        |  |
| Max. Apparent Power              |              | 275KVA                             | 352KVA            |  | 333kVA       |  | 352kVA       |  |
| Nominal Output Voltage           |              | 3L/PE, 800V                        |                   |  |              |  |              |  |
| Nominal AC Grid Frequency        |              | 50Hz/60Hz                          |                   |  |              |  |              |  |
| Nominal Output Current           |              | 180.4A                             | 230.9A            |  | 240.3A       |  | 254A         |  |
| Max. Output Current              |              | 198.5A                             | 254A              |  | 254A         |  | 254A         |  |
| Adjustable Power Factor          |              | > 0.99 (0.8 Leading...0.8 Lagging) |                   |  |              |  |              |  |
| THDi                             |              | < 3%                               |                   |  |              |  |              |  |
| Efficiency                       |              |                                    |                   |  |              |  |              |  |
| Max. Efficiency                  |              |                                    | ≥ 99.04%          |  |              |  |              |  |
| European Weighted Efficiency     |              |                                    | ≥ 98.8%           |  |              |  |              |  |
| MPPT Efficiency                  |              |                                    | 99.90%            |  |              |  |              |  |
| Protection                       |              |                                    |                   |  |              |  |              |  |
| Active Anti-Islanding Protection |              |                                    | YES               |  |              |  |              |  |
| Residual Current Monitoring      |              |                                    | YES               |  |              |  |              |  |
| DC Reverse Polarity Protection   |              |                                    | YES               |  |              |  |              |  |
| DC Switch                        |              |                                    | YES               |  |              |  |              |  |
| AC Short-Circuit Protection      |              |                                    | YES               |  |              |  |              |  |
| AC Overvoltage Protection        |              |                                    | YES               |  |              |  |              |  |
| AC Overcurrent Protection        |              |                                    | YES               |  |              |  |              |  |
| DC Surge Protection              |              |                                    | Type II           |  |              |  |              |  |
| AC Surge Protection              |              |                                    | Type II           |  |              |  |              |  |
| Ground Fault Detection           |              |                                    | YES               |  |              |  |              |  |
| Smart String-Level Disconnection |              |                                    | YES               |  |              |  |              |  |
| Smart Connector-Level Detection  |              |                                    | YES               |  |              |  |              |  |
| General Data                     |              |                                    |                   |  |              |  |              |  |
| Operating Temperature Range      |              |                                    | -35 ~ 60°C        |  |              |  |              |  |
| Relative Operating Humidity      |              |                                    | 0 ~ 100%RH        |  |              |  |              |  |
| Operating Altitude               |              |                                    | 5,000m            |  |              |  |              |  |
| Cooling                          |              |                                    | Smart Air Cooling |  |              |  |              |  |
| Display                          |              |                                    | LED+App           |  |              |  |              |  |
| Communication                    |              |                                    | RS485/HPLC        |  |              |  |              |  |
| Weight                           |              |                                    | 130kg             |  |              |  |              |  |
| Dimensions (W*H*D)               |              |                                    | 1120*820*380mm    |  |              |  |              |  |
| Topology                         |              |                                    | Non-Isolated      |  |              |  |              |  |
| Degree of Protection             |              |                                    | IP66              |  |              |  |              |  |
| Overvoltage Level                |              |                                    | PV II/AC III      |  |              |  |              |  |



# HYXI Atlas Mega Container ESS

HYX-EL3000/4000/5000P2-DC



### Ultimate Safety

- Multi-Layer Electrical Protection
- Six-Sided Flame Retardant
- Triple Fire Protection Design
- Precision Monitoring with Early Warning

### Efficient Energy

- System RTE (Round Trip Efficiency) ≥ 90%
- High-Efficiency Heat Dissipation
- Long Battery Life and System Discharge Capacity

## HYXI Atlas Mega 5MWh

| Model                               | EL3000P2-DC                      | EL4000P2-DC | EL5000P2-DC |
|-------------------------------------|----------------------------------|-------------|-------------|
| Battery Side                        |                                  |             |             |
| Cell Type                           | LiFePO4                          |             |             |
| Cell Capacity                       | 314Ah                            |             |             |
| Battery Configuration               | 8P416S                           | 10P416S     | 12P416S     |
| Battery Nominal Voltage             | 1,331.2V                         |             |             |
| Operating Voltage Range             | 1,164.8 ~ 1,497.6V               |             |             |
| Battery Nominal Capacity            | 3.34MWh                          | 4.18MWh     | 5.01MWh     |
| Nominal Charge/Discharge Rate       | ≤ 0.5C                           |             |             |
| Protection                          |                                  |             |             |
| Overvoltage Protection              | YES                              |             |             |
| Overcurrent Protection              | YES                              |             |             |
| Short-Circuit Protection            | YES                              |             |             |
| Over-Temperature Protection         | YES                              |             |             |
| Emergency Stop Protection           | YES                              |             |             |
| General Data                        |                                  |             |             |
| Max. Efficiency                     | ≥ 90% (Include Self-Consumption) |             |             |
| Operation Ambient Temperature Range | -30 ~ 55°C                       |             |             |
| Storage Temperature                 | -20 ~ 35°C                       |             |             |
| Operating Humidity Range            | 0 ~ 95%RH                        |             |             |
| Noise                               | ≤ 80dB                           |             |             |
| Anti-Corrosion Degree               | C3/C4/C5 (Optional)              |             |             |
| Dimensions (W*H*D)                  | 6,058*2,896*2,438mm              |             |             |
| Weight                              | 33T                              | 38T         | 43T         |
| Protection Degree                   | IP55                             | IP55        | IP55        |
| Cooling Method                      | Liquid Cooling                   |             |             |
| Fire Protection Method              | Aerosol+Water Suppression System |             |             |
| Max. Operating Altitude             | ≤ 2,000m                         |             |             |
| Networking Mode                     | LAN, RS485、CAN                   |             |             |



# Logger



## Intelligent & Flexible

- Up to 150 Inverters Connectable
- Multiple Communication Protocols Supported
- Weather Station Compatible, Anytime Remote Monitoring

## Simple & Easy

- Wall, Guide Rail and Drawer Mounting Options
- Built-in Web UI, One Click Commissioning

## Stable & Reliable

- TLS Encrypted Data Transmission
- Dual Redundant Power Supply for Continuous Operation

# HYXI Logger

| Model                              | HYX-LoggerA |                                                                                        | HYX-LoggerB |  |
|------------------------------------|-------------|----------------------------------------------------------------------------------------|-------------|--|
| Equipment Management               |             |                                                                                        |             |  |
| Max. Number of Manageable Devices  |             | 150PCS                                                                                 |             |  |
| Communication Parameters           |             |                                                                                        |             |  |
| WAN                                |             | WAN*2, 10/100/1,000Mbps                                                                |             |  |
| LAN                                |             | LAN*4, 10/100/1,000Mbps                                                                |             |  |
| Fiber                              |             | SFP*2, 100/1,000Mbps                                                                   |             |  |
| 4G                                 |             | YES                                                                                    | NO          |  |
| HPLC                               |             | PLC*1, Max. AC Voltage: 800V (±10%) 1,000m                                             |             |  |
| RS485                              |             | COM*6                                                                                  |             |  |
| Digital/Analog Input/Output        |             | DI*9/DO*4/AI*4                                                                         |             |  |
| PT100/PT1000                       |             | 2                                                                                      |             |  |
| DC Output                          |             | x1, 12V, 0.1A                                                                          |             |  |
| Communication Protocol             |             |                                                                                        |             |  |
| Ethernet                           |             | Modbus-TCP, IEC 60870-5-104                                                            |             |  |
| RS485                              |             | Modbus-RTU, IEC 60870-5-103(Standard), DL/T645                                         |             |  |
| Electrical                         |             |                                                                                        |             |  |
| AC Power Supply                    |             | 100 ~ 240VAC, 50/60Hz                                                                  |             |  |
| DC Power Supply                    |             | 24Vdc, 1.25A                                                                           |             |  |
| Power Consumption                  |             | Max. 18W                                                                               |             |  |
| Display                            |             |                                                                                        |             |  |
| LED                                |             | LED*4                                                                                  |             |  |
| Web                                |             | Max. 18W                                                                               |             |  |
| USB                                |             | USB 3.0*2                                                                              |             |  |
| General Data                       |             |                                                                                        |             |  |
| Operating Temperature Range        |             | -35 ~ 60°C                                                                             |             |  |
| Relative Humidity (Non-Condensing) |             | 5 ~ 95%RH                                                                              |             |  |
| Protection Degree                  |             | IP20                                                                                   |             |  |
| Max. Operating Altitude            |             | 4,000m                                                                                 |             |  |
| Dimensions (W*H*D)                 |             | 60*380*240mm (Without Mounting Ears and Antenna)                                       |             |  |
| Weight                             |             | 3kg                                                                                    |             |  |
| Installation Options               |             | Wall Mounting, DIN Rail Mounting, Tabletop<br>Mounting Integrated inside HYX-Smart ECS |             |  |





Simple & Easy

- Multiple Protocol Interfaces Supported
- Multi device Protocol Access Supported

Stable & Reliable

- IP65 Protection Grade
- Industrial-Grade Design Standard

Fast & intelligent

- Embedded Platform One-Stop Station Operation

HYXI ECS

| Model                        | HYX-ECS                                                               |
|------------------------------|-----------------------------------------------------------------------|
| Configuration                |                                                                       |
| HYX-Logger                   | HYX-LoggerA/HYX-LoggerB                                               |
| RS485                        | COM*6                                                                 |
| HPLC                         | 1                                                                     |
| Ethernet Port                | WAN*2, 10/100/1,000Mbps                                               |
|                              | LAN*4, 10/100/1,000Mbps                                               |
|                              | SFP*2, 100/1,000Mbps                                                  |
| Fiber Switch                 | Optional, 2*100/1,000Mbps Fiber Ports and 6*10/100Mbps Ethernet Ports |
| Environment                  |                                                                       |
| Operating Temperature Range  | -40 ~ 60°C                                                            |
| Relative Humidity            | 0% ~ 100%RH                                                           |
| Max. Operating Altitude      | 5,000m                                                                |
| Electrical                   |                                                                       |
| AC Input Voltage for Cabinet | 100V ~ 240V, L/N (L) +PE                                              |
| HPLC AC Input Voltage        | 380V ~ 800V, 3Ph                                                      |
| AC Input Frequency           | 50/60Hz                                                               |
| Power Supply                 | 24VDC                                                                 |
| Mechanical                   |                                                                       |
| Mechanical                   | Bottom in & out                                                       |
| Dimensions (W*H*D)           | 770*480*350mm                                                         |
| Weight                       | 30kg                                                                  |
| Protection Degree            | IP65                                                                  |
| Installation Options         | Wall Mounting, Rack Mounting, Pole Mounting                           |



DCS

HYX-DCS-4G/WL/W1



Convenient & User-Friendly

- Up to 10 Inverters Connectable
- Plug and Play

Safe & Reliable

- Encrypted Data Transmission
- Data Recovery Supported

Smart & Manageable

- 4G Wi-Fi and Ethernet Communication Capability
- OTA & Onsite Update Supported
- Parameter Configuration & Fault Diagnosis

HYXI DCS

| Model                         | HYX-DCS-4G          |  | HYX-DCS-WL                 | HYX-DCS-W1        |
|-------------------------------|---------------------|--|----------------------------|-------------------|
| General Data                  |                     |  |                            |                   |
| Max.Inverters Supported       |                     |  | 10                         |                   |
| Data Acquisition Interval     |                     |  | 5mins                      |                   |
| Connection Interface          |                     |  | USB                        |                   |
| Ethernet Interface            | /                   |  | 10M/100M Ethernet          | /                 |
| Installation                  |                     |  | Plug-and-Play              |                   |
| Indicator                     |                     |  | LED+App                    |                   |
| Dimensions (W*H*D)            | 122*41*33mm         |  | 144*41*33mm                | 122*41*33mm       |
| Weight                        | 64g                 |  | 68g                        | 64g               |
| Degree of Protection          | IP66                |  |                            | IP65              |
| Power Consumption             | 2W                  |  | 1W                         | 2W                |
| Input Voltage                 |                     |  | 5V/1A                      |                   |
| Wireless Parameter            |                     |  |                            |                   |
|                               | 4G:TDD-LTE, FDD-LTE |  |                            |                   |
| Wireless                      | 3G:SCDMA            |  | Wi-Fi:802.11b/g/n          | Wi-Fi:802.11b/g/n |
|                               | 2G:GSM/GPRS         |  |                            |                   |
| Environment                   |                     |  |                            |                   |
| Operating Ambient Temperature |                     |  | -30 ~ 65℃                  |                   |
| Relative Humidity Range       |                     |  | 0 ~ 100%RH, Non-Condensing |                   |
| Storage Temperature Range     |                     |  | -40 ~ 70℃                  |                   |



# DMU

## HYX-DMU-4G/WL



### Stable & Reliable

- Encrypted Data Transmission
- Data Recovery Supported

### Smart & Manageable

- 4G Wi-Fi and Ethernet Communication Capability
- OTA & Onsite Update Supported
- Parameter Configuration & Fault Diagnosis

### Convenient & User-Friendly

- Plug and Play

## HYXI DMU

| Model                                     | HYX-DMU-W         |  | HYX-DMU-4G                                     |  |
|-------------------------------------------|-------------------|--|------------------------------------------------|--|
| Communication to Microinverter            |                   |  |                                                |  |
| Signal                                    |                   |  | Sub-1G                                         |  |
| Monitoring Data Limit from Solar Panels   |                   |  | 400                                            |  |
| Communication to Hyxi Cloud               |                   |  |                                                |  |
| Ethernet                                  |                   |  | RJ45*1, 100Mbps                                |  |
| Wireless                                  | Wi-Fi:802.11b/g/n |  | 4G:TDD-LTE, FDD-LTE<br>3G:SCDMA<br>2G:GSM/GPRS |  |
| Data Acquisition Interval                 |                   |  | 5mins                                          |  |
| Power Supply (Adapter)                    |                   |  |                                                |  |
| Type                                      |                   |  | External Adapter                               |  |
| Adapter Input Voltage (V) /Frequency (Hz) |                   |  | 100 ~ 240VAC, 50 ~ 60Hz                        |  |
| Adapter Ouput Voltage (V) /Current (A)    |                   |  | 12V/1A                                         |  |
| Power Consumption (W)                     | 1.5               |  | 2.5                                            |  |
| General Data                              |                   |  |                                                |  |
| Operating Ambient Temperature (°C)        |                   |  | -20 ~ 65                                       |  |
| Dimensions (W*H*D)                        |                   |  | 106*216*79mm (with Base)                       |  |
| Weight (g)                                |                   |  | 320                                            |  |
| Cooling                                   |                   |  | Natural Cooling                                |  |
| Enclosure Rating                          |                   |  | IP20                                           |  |
| Installation Method                       |                   |  | Desktop Mounting/Wall Mounting                 |  |



# HYXI PLC Master & Slave Gateway

## HYX-DMU-PM/PS



### Reliable & Flexible

- Stable Signal Transmission in Complex Metal Environments
- Flexible Connectivity: Ethernet, Wi-Fi & 4G for Any Network Scenario
- Reliable Data: Local Storage with Breakpoint Resume, No Data Loss

### Efficient & Convenient

- Intelligent Functions for Power Curtailment and Zero-Export Control
- Easy Integration: RS485, RJ45, DI/DO for External Device Connection

### Smart & Manageable

- Dual Monitoring for Power Generation and Load Consumption
- Integrated Local & Remote O&M for Higher Efficiency

### HYXI PLC Master Gateway

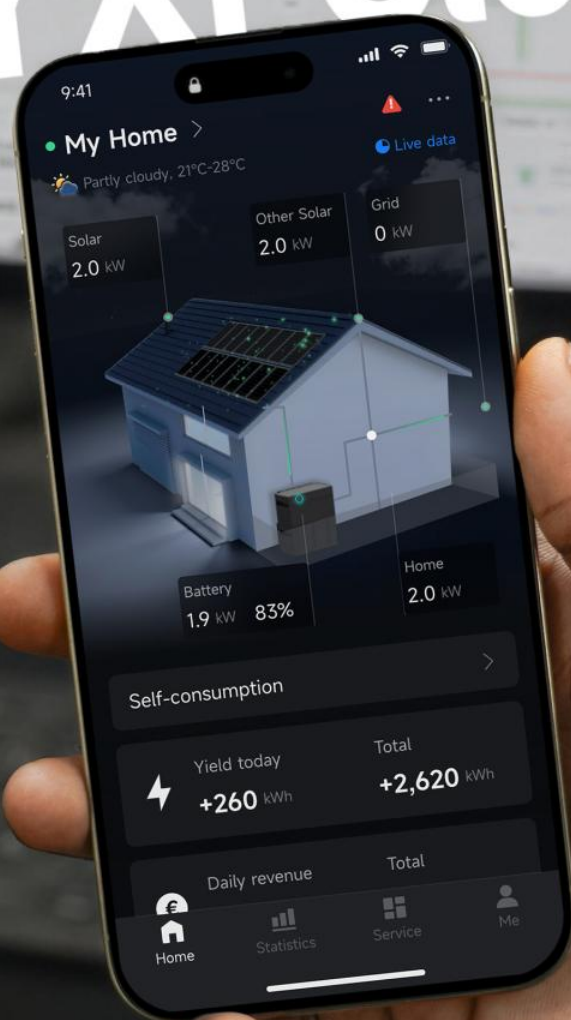
| Model                                  | HYX-DMU-PM                                                                                      |
|----------------------------------------|-------------------------------------------------------------------------------------------------|
| Communication with PS                  |                                                                                                 |
| Signal Type                            | HPLC                                                                                            |
| Maximum Communication Distance         | 200m                                                                                            |
| Max. Number of Connected Devices       | 6                                                                                               |
| Communication with HYXI Cloud Platform |                                                                                                 |
| Wired Networking Method                | WAN*1, 10/100Mbps Auto-Negotiation                                                              |
| Wireless Networking Method             | Wi-Fi: 802.11b/g/n                                                                              |
| Upload Interval                        | 5 Minutes                                                                                       |
| Extended Communication Ports           |                                                                                                 |
| RS485 Port                             | COM*2, 9600bps/19200bps/115200bps, Modbus-RTU                                                   |
| DRM Port                               | RJ45*1, Supports DRM0-9 Modes (Australia Only)                                                  |
| DI/DO Port (Digital I/O)               | DI*2/DO*4                                                                                       |
| USB 2.0 Port                           | Supports Local Upgrade                                                                          |
| CT Port                                | 3*CT, Accuracy up to 1%                                                                         |
| Interaction                            |                                                                                                 |
| Indicator Light                        | LED*4 (Power, Net, Com, Alarm)                                                                  |
| APP                                    | HYXI                                                                                            |
| Electrical Parameters                  |                                                                                                 |
| AC Power Input                         | Single Phase: 80VAC~288VAC, 50Hz/60Hz, L+N<br>Three Phase: 346VAC~415VAC, 50Hz/60Hz, L1+L2+L3+N |
| Mechanical Parameters                  |                                                                                                 |
| Operating Temperature Range            | -40°C ~ 65°C                                                                                    |
| Dimensions (W*D*H)                     | 121*95*56mm                                                                                     |
| Weight                                 | 0.33kg                                                                                          |
| Mounting Method                        | DIN Rail Mounting (DIN 35mm Rail)                                                               |
| Ingress Protection Rating              | IP20                                                                                            |

### HYXI PLC Slave Gateway

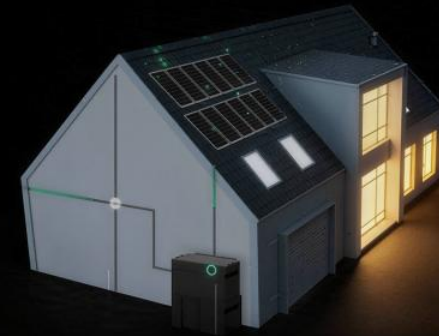
| Model                            | HYX-DMU-PS                                 |
|----------------------------------|--------------------------------------------|
| Communication with Microinverter |                                            |
| Signal Type                      | Wi-Fi                                      |
| Maximum Communication Distance   | 15m                                        |
| Max. Number of Connected Devices | 80                                         |
| Communication with PM            |                                            |
| Signal Type                      | HPLC                                       |
| Maximum Communication Distance   | 200m                                       |
| Interaction                      |                                            |
| Indicator Light                  | LED*1                                      |
| Electrical Parameters            |                                            |
| AC Power Input                   | Single Phase: 80VAC~288VAC, 50Hz/60Hz, L+N |
| Mechanical Parameters            |                                            |
| Operating Temperature Range      | -40°C ~ 85°C                               |
| Dimensions (W*D*H)               | 86.5*55.5*32.5mm                           |
| Weight                           | 0.15kg                                     |
| Mounting Method                  | Bracket Installation                       |
| Ingress Protection Rating        | IP66                                       |



# HYXI Cloud



## Efficient O&M



Real-Time  
Multi-End Control



Intelligent Module-  
Level Visualization



Unified Management  
& OTA Updates



Automated Alerts  
& Data Analysis



Multi-Dimensional Reports  
for Smart Decisions



24/7 Intelligent Security  
& Energy Control

## Ultimate Experience

Batch Configuration  
and Upgrades **Made Easy**

**One-Tap** Control  
for All Key Functions

Ultra-Fast Setup in  
Just **90 Seconds**



## Comprehensive Intelligence

**Adapts** to Dynamic  
Pricing and VPP

**24/7 Smart Assistant** for Insights,  
Recommendations and Instant Troubleshooting

**AI Scheduling** for Maximum Savings,  
Automatically optimizes charging and discharging based on  
electricity prices.



## Simple Intuition

Track Every  
kWh with **Precision**

Instantly Detect  
and Resolve **Anomalies**

**Real-time,**  
Intuitive Energy Insights

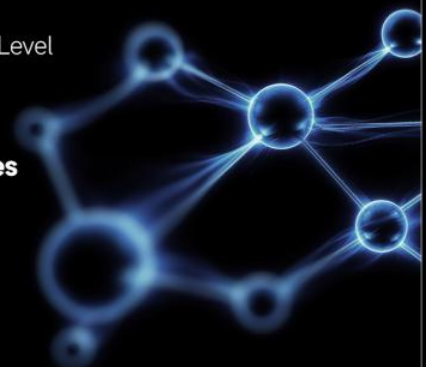


## Open Ecosystem

**OpenAPI** for Platform-Level  
Cloud Connectivity

Modular **AI Capabilities**  
Ready for Expansion

Partner-Ready  
**SaaS Platform**





# Global Cases

## Residential Cases



**Microinverter**  
Île-de-France, France, Capacity 2.46kW



**Microinverter**  
Drenthe, Netherlands, Capacity 7.9kW



**Microinverter**  
Orange, France, Capacity 9kW



**Microinverter**  
Drenthe, Netherlands, Capacity 7.9kW

# Global Cases

## Residential Cases



**Hybrid Inverter, High Voltage Battery**  
Madrid, Spain, Capacity 5.28kW



**Hybrid Inverter, High Voltage Battery**  
Rotterdam, Netherlands, Capacity 10kW



**All-in-One ESS**  
Mazovia, Poland, Capacity 10kW



**All-in-One ESS**  
Overijssel, Netherlands, Capacity 12kW/20kWh



# Global Cases

## Residential Cases



**Hybrid Interter**  
Brisbane, Australia, Capacity 6.6kW



**Hybrid Interter**  
Queensland, Australia, Capacity 6.6kW



**Microinverter**  
Arkansas, USA, Capacity 11.6kW



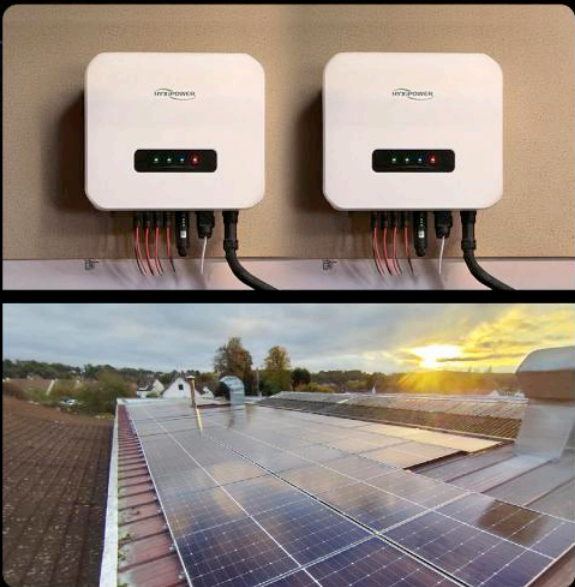
**All-in-One ESS**  
Overijssel, Netherlands, Capacity 12kW/20kWh

# Global Cases

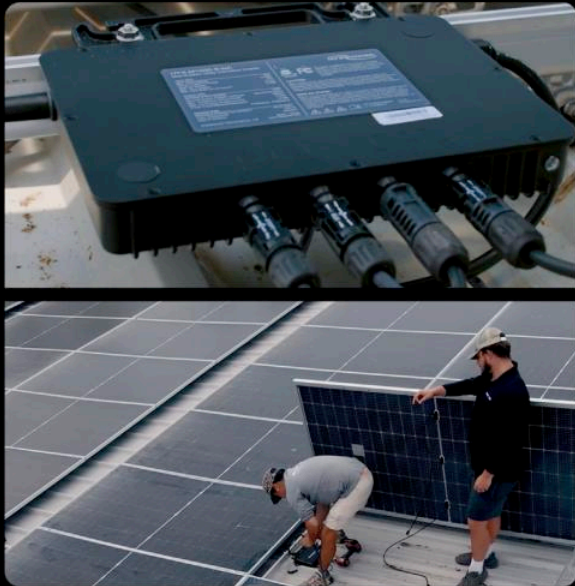
## C&I PV and ESS Cases



**Hybrid Interter**  
Barcelona, Spain, Capacity 25kW



**String Inverter**  
Eure-et-Loir, France, Capacity 45kW



**Microinverter**  
Texas, USA Capacity 117kW



**Hybrid Inverter & High Voltage Battery**  
Rheinland-Pfalz, Germany, Capacity 50kW



Global Cases  
C&I PV and ESS Cases



**105kW/232kWh C&I ESS**  
Myanmar, Capacity 500kW/1075kWh



**100kW/215kWh C&I ESS**  
Poland, Capacity 200kW/430kWh



**105kW/232kWh C&I ESS**  
Netherlands, Capacity 200kW/430kWh



**105kW/232kWh C&I ESS**  
Spain, Capacity 100kW/215kWh

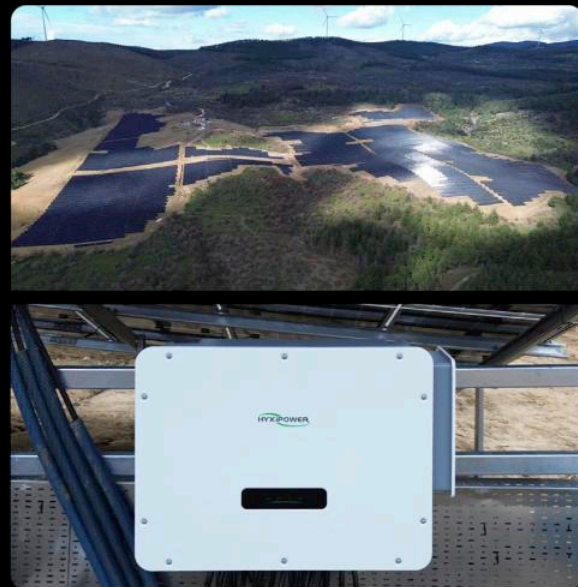
Global Cases  
Utility Cases



**5000kWh Container ESS**  
Zhejiang, China, Capacity 400MW/h



**String Inverter**  
Hangzhou, China, Capacity 40MWp



**String Inverter**  
Çanakkale İli, Türkiye, Capacity 29MW



**5000kWh Container ESS**  
Zhejiang, China, Capacity 5MW/10MWh