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PRODUCT CATALOGUE

SMARTER ENERGY FOR ALL

2026-AFRV1.1EN

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Pronounced "High-See"

HYXI

Harvest Your X-factor Infinitely

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.

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

HYXIONE Service

One Touch， Global Care



20+
Years R&D Experience



100+
Countries & Regions

70%
R&D Personnel

12
Global Technical Assistance Centers

24/7
Customer Support



100+
Core Intellectual Properties



14
Spare Parts Centers

200+
Local Professionals

1,000+
Service Partners

HYXI Lab

Ensuring Safety in Every Watt

300+
Advanced Experimental Capabilities

82-Day
Environmental Reliability Load Test





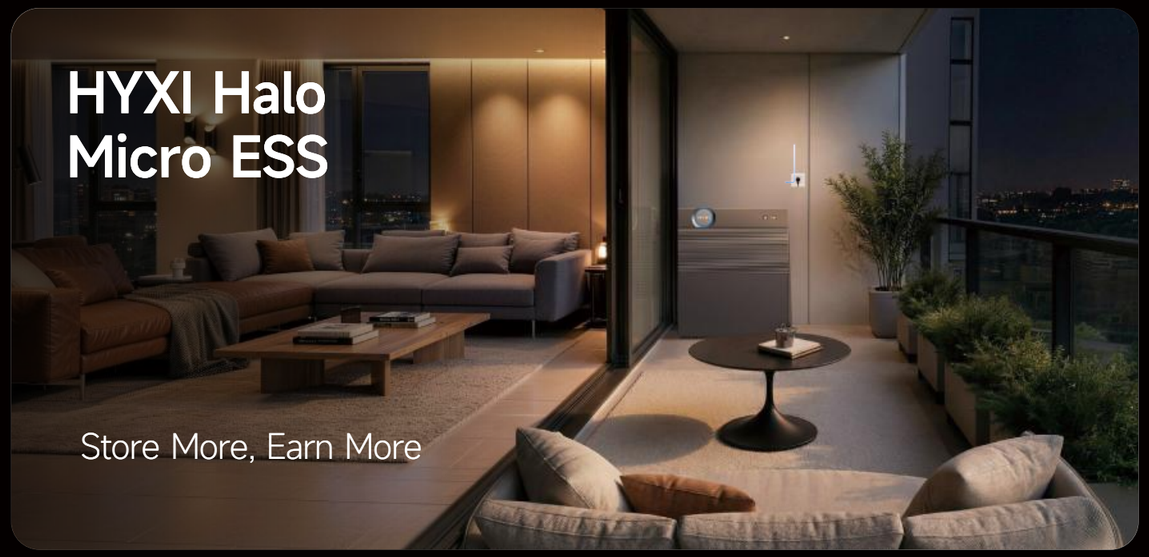


Top-Tier Manufacturing & Supply

40,000+ Square Meters of Excellence



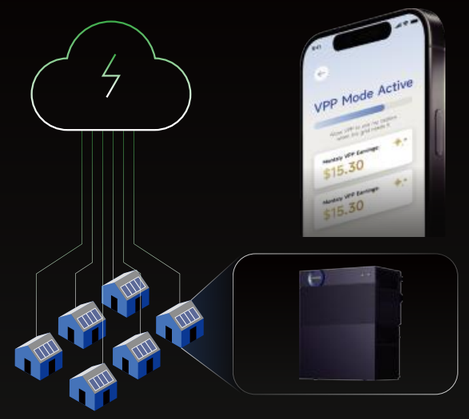




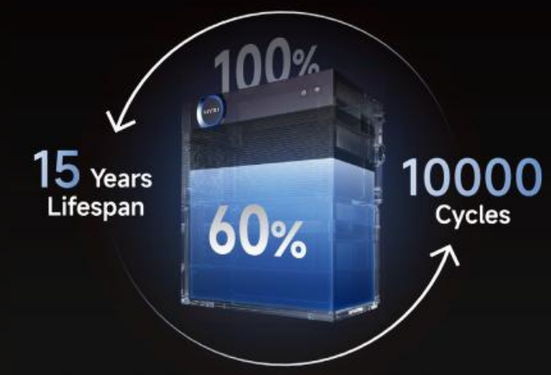
Smart Balancing for Longer Battery Life

3kWh Battery Storage Capacity

VPP-Powered Energy Gains

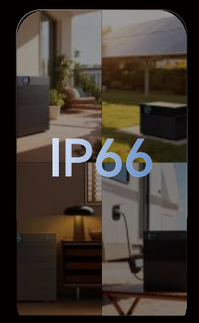


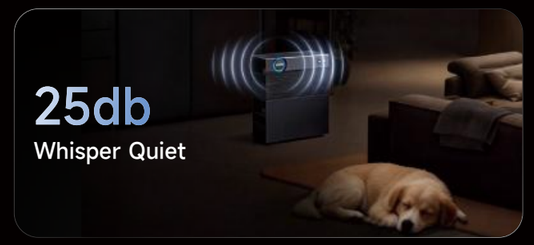
10000 Life Cycles Built to Last





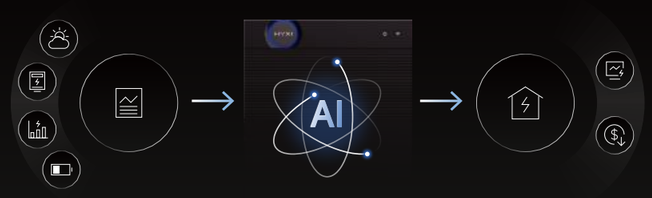








AI-Optimized Energy Usage

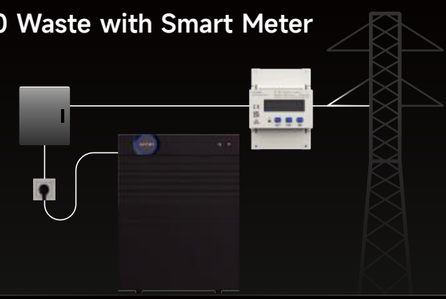


Ultimate Safety



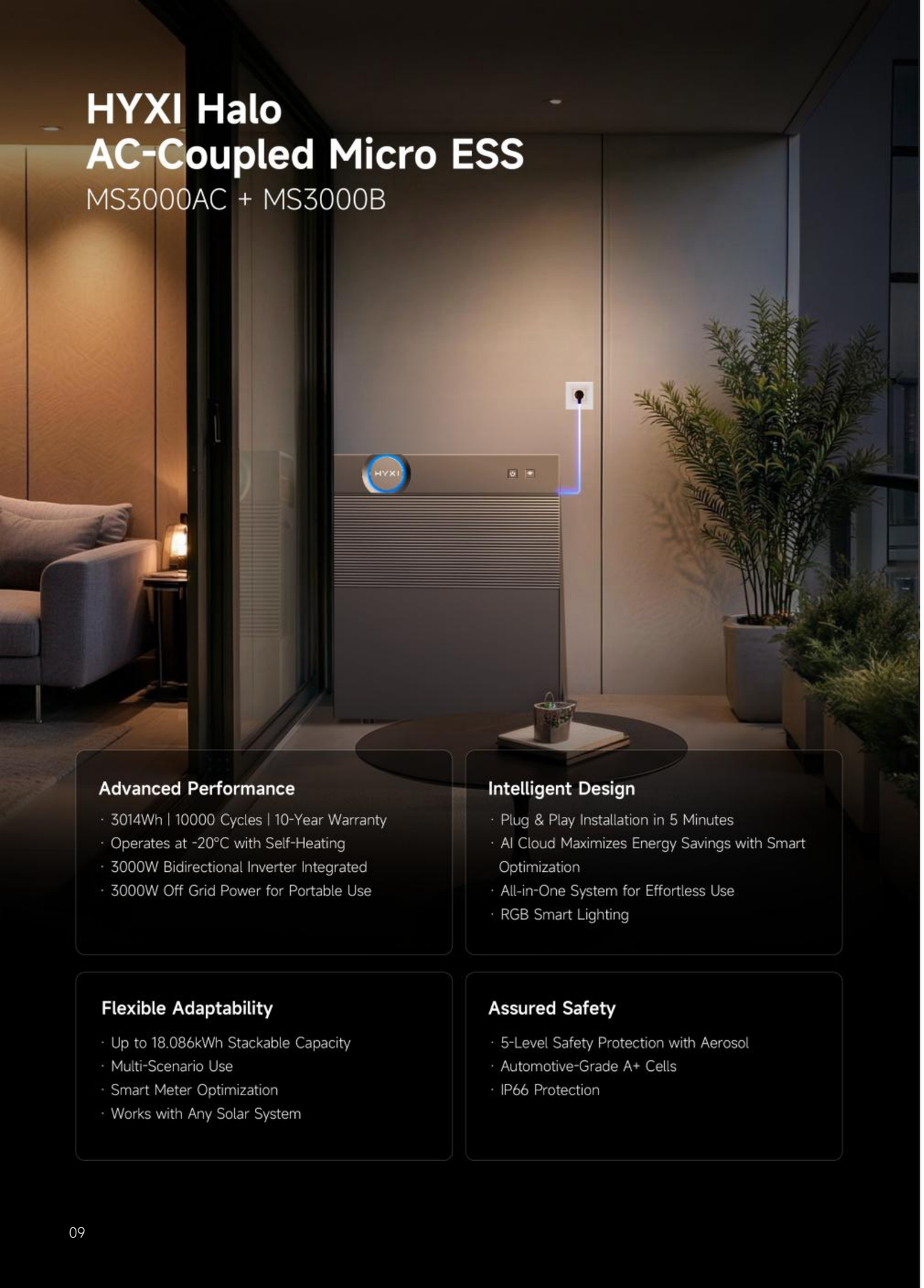
- Auto-Extinguisher System
- Automotive-Grade BMS
- Advanced Thermal Control

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

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
- Works with Any Solar System

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*281*279mm
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*296.5*274mm
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 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*281*279mm
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*296.5*274mm
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.

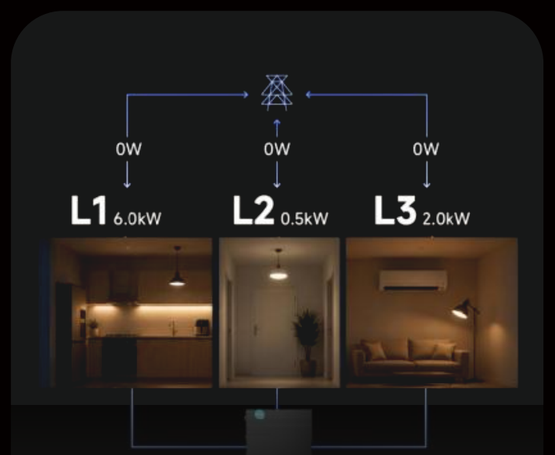


HYXI Aura

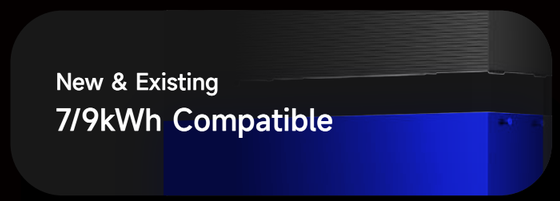
Residential
All-in-One ESS



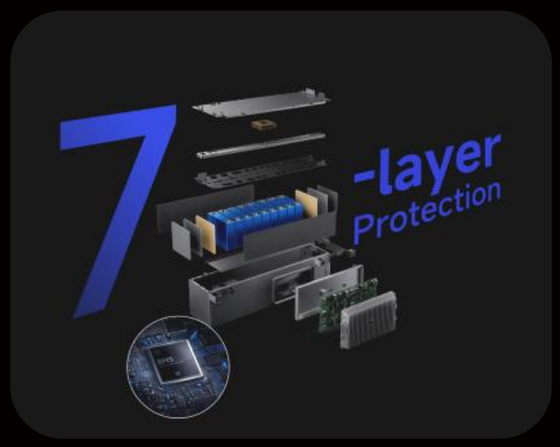




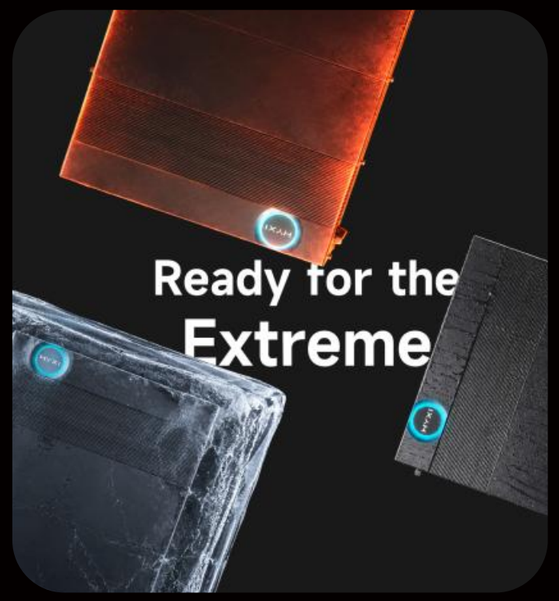
100% Three-phase Unbalance









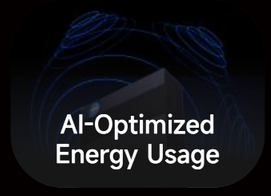


Up to 54kWh, Under 2m





Built-in
Dual-Band
Connectivity





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 (3,000W/3,000W)	7,200W (3,600W/3,600W)	8,000W (4,000W/4,000W)	9,200W (4,600W/4,600W)	10,000W (5,000W/5,000W)	12,000W (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℃					
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 Single Phase Energy Controller 8 ~ 12kW

Model	H8K-HSA2	H10K-HSA2	H12K-HSA2
DC			
Max. PV Input Power	16,000W (5,333W/5,333W/5,333W)	20,000W (5,000W/5,000W/5,000W/5,000W)	24,000W (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	12,000VA
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 (5,000W/5,000W)	12,000W (6,000W/6,000W)	16,000W (8,000W/8,000W)	20,000W (6,667W/6,667W/6,667W)	20,000W (6,667W/6,667W/6,667W)	24,000W (8,000W/8,000W/8,000W)	30,000W (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 (9,000W/9,000W/9,000W/9,000W)	45,000W (11,250W/11,250W/11,250W/11,250W)	54,000W (13,500W/13,500W/13,500W/13,500W)	54,000W (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℃			
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℃	
Operating Temperature Range	-20 ~ 55℃	
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
- 200% 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 Pumps

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
- 200% 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
- Real-Time Energy 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)	2 (1/1)	2 (1/1)	3 (1/2)	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/Wi-Fi/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
- 200% 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
- Real-Time Energy Monitoring
- 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°C	
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/Wi-Fi/4G/LAN	
Weight		45kg	
Dimensions (W*H*D)		658*523*220mm	
Degree of Protection		IP65	
Mounting		Wall Mounted	



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[1]	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℃			
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℃, 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[1]	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℃			
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 Slave: 700*1,300*200mm	Master: 700*1,700*200mm Slave: 700*1,650*200mm	Master: 700*2,050*200mm 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℃, at the beginning of service life.

Low Voltage
Single Phase Hybrid Inverter

HXY-H6/8K-LS



High Performance

- 90-280V Wide Voltage Range of Grid
- 80% Efficency 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 II(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



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 Cument	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℃
Discharge Temperature	-10 ~ 50℃
Charge Temperature	0 ~ 50℃
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℃, 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℃
Discharge Temperature	-20 ~ 55℃
Charge Temperature	0 ~ +55℃
Relative Humidity	≤ 85%
Protection Level	IP20
Altitude	≤2000m
Cooling	Natural Cooling
Installation	Floor-Mounted
Certification	
Others	UN 38.3

*Test Conditions - Temperature 25℃, 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.

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

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



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	Optional			
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 (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			

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			
MPPT Full Load Voltage Range	200 ~ 500V			
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		
MPPT Full Load Voltage Range	200 ~ 500V		
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℃		
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 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	
MPPT Full Load Voltage Range		200V~500V	
Max. Input Current per MPPT		20A / 32A	
Max. Short-Circuit Current		25A / 50A	
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	36.4A	45.5A	47.7A
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	
Communication		RS485/4G/WIFI	
Weight		≤ 12kg	
Dimensions (W*H*D)		340*360*136mm	
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					
MPPT Full Load Voltage Range	450 ~ 850V					
Max. Input Current per MPPT	40A					
Max. Input Current per String	20A					
Max. Short-Circuit Current	50A					
Number of MPPT	3				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 43.1A/400V	45.6A/380V 43.3A/400V	50.2A/380V 47.6A/400V	54.7A/380V 52A/400V	60.8A/380V 57.7A/400V	76A/380V 72.2A/400V
Max. Output Current	45.4A/380V 43.1A/400V	50.2A/380V 47.6A/400V	55.2A/380V 52.4A/400V	60.2A/380V 57.2A/400V	66.9A/380V 63.5A/400V	83.6A/380V 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°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	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 ~ 120kW

Model	HYX-S100K-T	HYX-S110K-T	HYX-S120K-T
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		8	
Max. Input Number per MPPT		2	
AC Output			
Nominal Output Power	100kW	110kW	120kW
Max. Apparent Power	110kVA	121kVA	132kVA
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	182.3A/380V | 180.4A/400V
Max. Output Current	167.1A/380V | 158.7A/400V	183.8A/380V | 174.6A/400V	190.5A/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		

Three Phase Hybrid Inverter

HYX-H15K/20K/25K/30K-HT1



Three Phase Hybrid Inverter 15 ~ 30kW

Model	HYX-H15K-HT1	HYX-H20K-HT1	HYX-H25K-HT1	HYX-H30K-HT1
PV Input				
Max. Array Power	30,000W	40,000W	50,000W	60,000W
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)	(12,000W/12,000W) (12,000W/12,000W)
Max. Input Voltage	1,100V			
Start-up Voltage	160V			
MPPT Operating Voltage Range	140 ~ 1,000V			
Max. Input Current	80A (20*2/20*2)			
Max. Short-Circuit Current	120A (30*2/30*2)			
Number of MPPTs	2			
PV Input Number (Number of String Per MPPT)	4 (2/2)			
AC Output				
Nominal Input/Output Apparent Power	31,500VA/15,000VA	42,000VA/20,000VA	52,500VA/25,000VA	52,500VA/30,000VA
Max. Input/Output Apparent Power	33,000VA/16,500VA	44,000VA/22,000VA	55,000VA/27,500VA	55,000VA/33,000VA
Nominal Input/Output Current	47.8A/22.8A	63.7A/30.4A	79.5A/37.9A	79.5A/45.5A
Max. Input/Output Current	50.0A/25.0A	66.7A/33.4A	83.4A/41.7A	83.4A/50A
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			
Back-Up(AC Output)				
Nominal Output Power	15,000W	20,000W	25,000W	30,000W
Max. Continues Output Apparent Power	16,500VA	22,000VA	27,500VA	33,000VA
Peak Output Power	30,000W; 10s	40,000W; 10s	45,000W; 10s	45,000W; 10s
Nominal Output Current	22.8A	30.4A	37.9A	37.9A
Max. Output Current	45.5A	60.6A	68.2A	68.2A
Switch Time	< 10ms			
Generator				
Nominal Output Power	15,000W	20,000W	25,000W	30,000W
Max. Continues Output Power	16,500W	22,000W	27,500W	33,000W
Nominal Output Current	22.8A	30.4A	37.9A	45.5A
Battery				
Battery Type	LifePO4			
Battery Voltage Range	150 ~ 800V			
Max. Charge/ Discharge Current	60A			
Max. Charge/ Discharge Power	16,500W	22,000W	27,500W	33,000W
Efficiency				
Max. Efficiency	98.6%			
European Weighted Efficiency	98.2%			
MPPT Efficiency	99.9%			
Battery Charge/Discharge Efficiency	97.7%			
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 to 60°C			
Relative Operating Humidity	0 ~ 100 %RH			
Max. Operating Altitude	4,000m			
Cooling	Natural Cooling	Fan Cooling	Fan Cooling	Fan Cooling
Display	LED/App/Web			
Communication	CAN/RS485/PLC/Wi-Fi/4G/LAN			
Weight	45kg			
Dimensions (W*H*D)	658*523*220mm			
Degree of Protection	IP65			
Mounting	Wall Mounted			



HYXI Rack-Mouted Battery (HV)

Rack System Control Unit	HYX-EBDU-HR
Model	HYX-E50B-HR
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Charge/Discharge Current	Recommend:50A: Maximum:100A
Weight	45kg
Dimensions (W*H*D)	465*545.3*135mm
Working Temperature	Charge: 0 ~ 50°C; Discharge: -20 ~ 50°°C
Communication	CAN
Cycle Life	>4000 (70%EOL)
Recommend Depth of Discharge	95%
Protection Level	IP20
Expansion	Up to 12 Units in Series

System Model	HYX-E200-H	HYX-E300-H	HYX-E400-H	HYX-E500-H	HYX-E600-H
Battery Module Number (4-12)	4 Units	6 Units	8 Units	10 Units	12 Units
System Nominal Energy	20.48 kWh	30.72 kWh	40.96 kWh	51.2 kWh	61.44 kWh
System Usable Energy	19.45 kWh	29.18 kWh	38.91 kWh	48.64 kWh	58.36 kWh
System Nominal Voltage	204.8V	307.2V	409.6V	512V	614.4V
System Operating Voltage	179.2-230.4V	268.8-345.6V	358.4-460.8V	448-576V	537.6-691.2V
System Nominal Power	10.24kW	15.36kW	20.48kW	25.6kW	30.72kW
Charge/Discharge Current	1Recommend: 50A: Maximum: 100A				
Altitude	≤ 2000m				
Ingress Protection	IP20				
Communication	CAN, RS485				
Installation Location	Rack Mounting				
Weight	230kg	326kg	423kg	520kg	617kg
Dimensions (W*H*D)	4 PACK + 1 BDU: 4806*537*805mm; 6 PACK + 1 BDU: 4806*537*1095mm				

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 < 0.945m²
- 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

HYXI Atlas Air Cooling ESS 100kWh

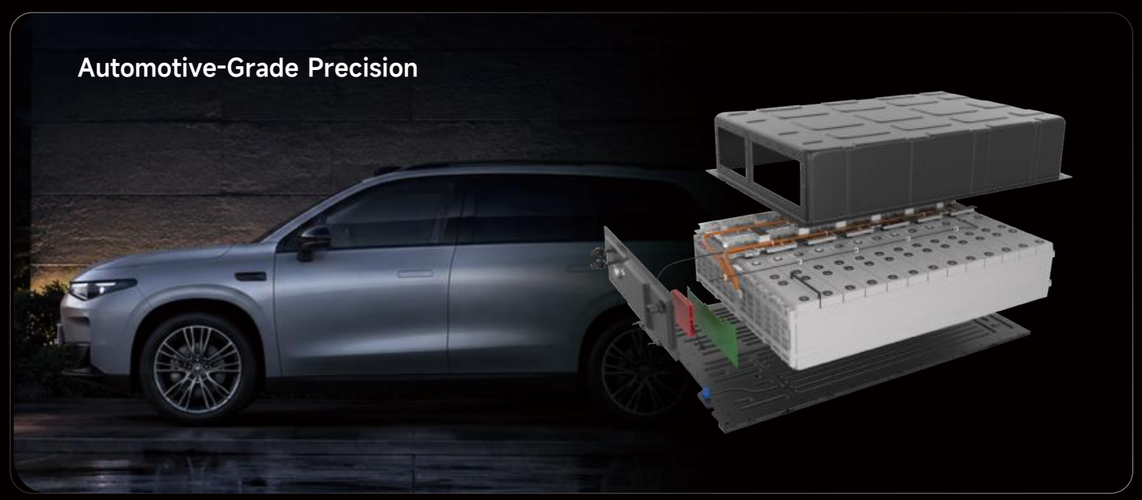
Model	HYX-EF100P2-40K-EU	HYX-EF100P2-49.9K-EU	HYX-EF100P2-50K-EU
Battery			
Cell Type		LFP/314Ah	
Rated Energy		100kWh	
Rated Battery Voltage		320V	
Battery Voltage Range		280 ~ 365V	
Max. Charge/Discharge Current		157A	
PV Input			
Max. PV Input Power	80kW	99.8kW	100kW
Max. PV Input Voltage		1000V	
MPPT Operating Voltage Range		150 ~ 950V	
Start-Up Voltage		180V	
Max. PV Input Current per MPPT		40A	
Max. Short-Circuit Current per MPPT		60A	
Number of MPPTs/Strings per MPPT		4(2/2/2/2)	
AC Input and Output (On-Grid)			
Rated AC Output Voltage		3/N/PE, 220/380V； 3/N/PE, 230/400V1000V	
Rated Frequency		50/60Hz	
Rated AC Output Power	40kW	49.9kW	50kW
Rated AC Output Current	60.8A @220V； 57.7A @230V	75.8A @220V； 72A @230V	76A @220V； 72.2A @230V
Max. Output Apparent Power	44kVA	49.9kVA	55kVA
Max. Output Current	66.9A @220V； 53.5A @230V	75.8A @220V； 72A @230V	83.6A @220V； 79.4A @230V
Adjustable Power Factor		0.8 Leading ~ 0.8 Lagging	
THDi (Rated Power)		< 3% (Rated Power)	
General			
Dimension (W*H*D)		750*2350*1260mm	
Weight		≈1410kg	
Operating Temperature Range		-30 ~ 55℃ (> 45℃ Derating)	
Relative Operating Humidity Range		0 ~ 100%RH (Non-Condensing)	
Max. Operating Altitude		3000m	
Cooling Concept		Air Cooling	
Ingress Protection		IP55	
Corrosion Protection Class		C5	
Noise		⩽ 70dB	
Fire Suppression System		Aerosol, Multi-Sensor/Water Ingress, Explosion-Proof Ventilation	
Communication Interface		Ethernet/Wi-Fi/4G	
Standards Compliance			
Standards		IEC 62619, IEC 62477, IEC 61000, UN 38.3	

HYXI Atlas C&I ESS

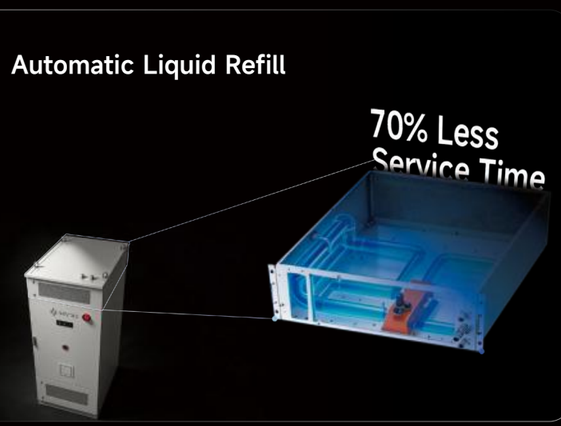


Stable Power, Smart Revenue.

Automotive-Grade Precision



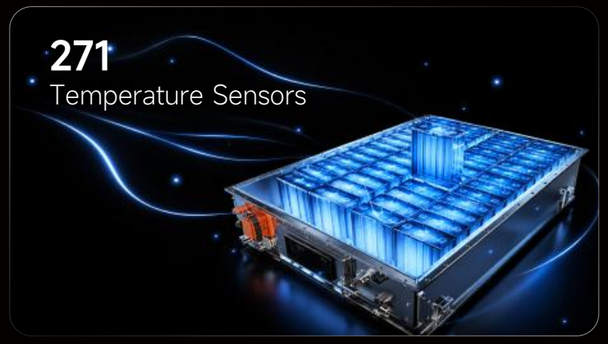
Automatic Liquid Refill



10-Minute Replacement



271 Temperature Sensors



≥2h Fire Resistance



20ms



Stopped Risks in 20ms

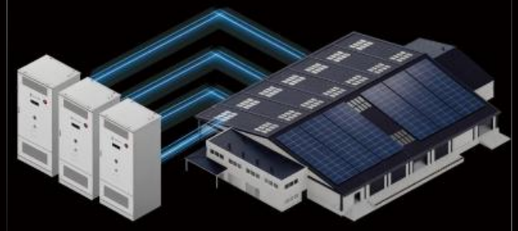
Whole Cabinet C5



Cold to Heat

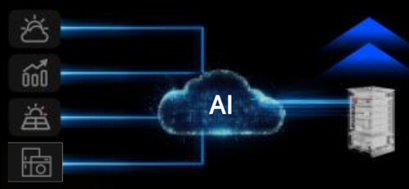


Industrial-Grade Power Conversion

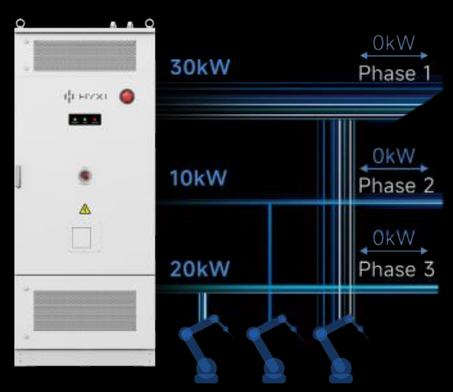


Smart AI Strategy

>20%
Revenue
Improvement



Every-Phase Feedback 0



HYXI Atlas
Liquid Cooling ESS

HYX-EL261P2-AU



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-AU
Battery Rating	
Cell Type	LiFePO4
Cell Capacity	314Ah
Battery Configuration	1P260S
Battery Norminal Voltage	832V
Battery Operating Voltage	728 ~ 936V
Battery Norminal 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℃ (> 45℃ 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, Aersol, Sprinkler
Communication Interface	Ethernet/Wi-Fi/4G
Communication Protocol	Modbus TCP
Certifications	IEC62619, IEC60730, IEC63056, IEC62477, IEC61000, UN38.3

HYXI Air Cooling ESS

HYX-EF241P2-M/MS



Ultimate Performance

- Integrated PV Input Function
- 100% Single-Phase Unbalanced Load Support
- Support Grid, Off-Grid & Hybrid Mode

Extreme Safety

- Multi-Level Fire Protection System
- Isolated Battery & Electrical Compartments, Fire Resistance Time ≥ 2H
- UN38.3, CE, IEC62619, IEC62477

Multiple Energy Strategies

- Peak Shaving, Self-Comsuption, Backup Power, TOU Mode
- Compatible with Generators

Simple Installation & Maintenance

- Factory Pre-installed, Quick On-Site Wiring
- Support Hoisting & Forklift
- Remote O&M, via Web, Cloud & App

HYXI Air Cooling ESS 125kW/241kWh

Model	HYX-EF241P2-M	HYX-EF241P2-MS
Battery Rating		
Battery Type	LiFePO4	
Cell Capacity	314Ah	
Battery Configuration	1P240S	
Nominal Voltage/Voltage Range	768/672 ~ 864V	
Nominal Capacity	241kWh	
Maximum Charge/Discharge Current	157A	
Nominal Charge/Discharge Current	157A	
Calendar Life	6,000/70%EOL (25±2℃, 05P)	
PV Rating		
MPPT Voltage Range	310 ~ 650V	
Max. Input Current Per MPPT Channel	165A	
Isc Current Per MPPT Channel	1800A	
MPPT Channels	2	
Rated Power Per MPPT Channel	50kW	
AC Grid Rating		
Nominal Input/Output Voltage	3L/N/PE, 400/230V	
Nominal Frequency	50/60Hz	
Nominal Input/Output Power	125kW	
Max. Input/Output Apparent Power	137.5kVA	
Nominal Input/Output AC Current	180A	
Nominal Input/Output AC Current	180A	
Power Factor	-0.99 ~ 0.99, at Nominal Power	
AC Backup Rating		
Nominal Voltage	/	3L/N/PE, 400/230V
Nominal Frequency	/	50/60Hz (-2.5 to +2.5Hz)
Max. Output AC Current	/	198A
Max. Active Power	/	137.5kW
Power Factor	/	-0.99~+0.99, at Nominal Power
General Data		
System Parallel Units	8 (On-Grid), 5 (Off-Grid)	
Operating Temperature Range	-20 to 50℃	
Operating Humidity Range	0~100%RH Non-Condesnsing	
Noise	≤ 75dB	
Dimensions (W*H*D)	1730*2200*1170mm	
Weight	3000kg	
Protection Degree	IP54	
Cooling Method	Air Cooling	
Fire Protection Method	Aerosol Fire Suppression	
Max.Operating Altitude	≤ 2,000m	
Networking Mode	Wi-Fi/LAN/4G(Optional)	

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-S250/320/350K-HT



Ultimately Reliable

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

Grid-Friendly

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

Highly Profitable

- 75A Input, Ideal for High-Power Modules
- Max Efficiency up to 99.03%
- AI Dynamic MPPT, Boosting Power Generation by 5%

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-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	
MPPT Full Load Voltage Range		850V ~ 1,350V	
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	352kW
Max. Apparent Power	275KVA	352KVA	352kVA
Nominal Output Voltage		3L/PE, 800V	
Nominal AC Grid Frequency		50Hz/60Hz	
Nominal Output Current	180.4A	230.9A	254A
Max. Output Current	198.5A	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 Charges/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℃	
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 Mounting Integrated inside HYX-Smart ECS	



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℃
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



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			
Wireless	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS	Wi-Fi:802.11b/g/n	Wi-Fi:802.11b/g/n
Environment			
Operating Ambient Temperature		-30 ~ 65℃	
Relative Humidity Range		0 ~ 100%RH, Non-Condensing	
Storage Temperature Range		-40 ~ 70℃	



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 3G:SCDMA 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 (℃)	-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

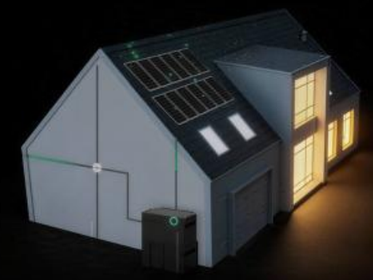
Model	HYX-DMU-PM
Communication with PS	
Signal Type	HPLC
Maximum Communication Distance	200m
Max. Number of Connected Devices	6
Communication with HYXI Cloud Platform	
Wired Networking Method	WAN*1, 10/100Mbps Auto-Negotiation
Wireless Networking Method	Wi-Fi: 802.11b/g/n
Upload Interval	5 Minutes
Extended 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 Three Phase: 346VAC~415VAC, 50Hz/60Hz, L1+L2+L3+N
Mechanical Parameters	
Operating Temperature Range	-40°C ~ 65°C
Dimensions (W*H*D)	121*56*95mm
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*H*D)	86.5*32.5*55.5mm
Weight	0.15kg
Mounting Method	Bracket Installation
Ingress Protection Rating	IP66



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

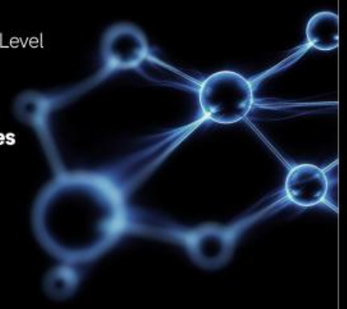


Open Ecosystem

OpenAPI for Platform-Level
Cloud Connectivity

Modular **AI Capabilities**
Ready for Expansion

Partner-Ready
SaaS Platform



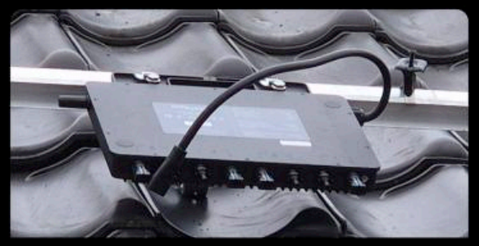
Global Cases
Residential Cases






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

Microinverter
Beaulieu, France, Capacity 4kW





Microinverter
Drenthe, Netherlands, Capacity 7.9kW

Microinverter
Orange, France, Capacity 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 Interver
Brisbane, Australia, Capacity 6.6kW



Hybrid Interver
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 Interver
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

Success Cases
C&I PV and ESS Cases



100kW/215kWh C&I ESS
Myanmar, Capacity 500kW/1075kWh



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



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



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

Success Cases
Utility Cases



5000kWh Container ESS
Zhejiang, China, Capacity 400MWh



String Inverter
Hangzhou, China, Capacity 40MWp



String Inverter
Çanakkale İli, Türkiye, Capacity 29MW



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