

Zhejiang Hyxi Technology Co., Ltd.

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Official Website



YouTube



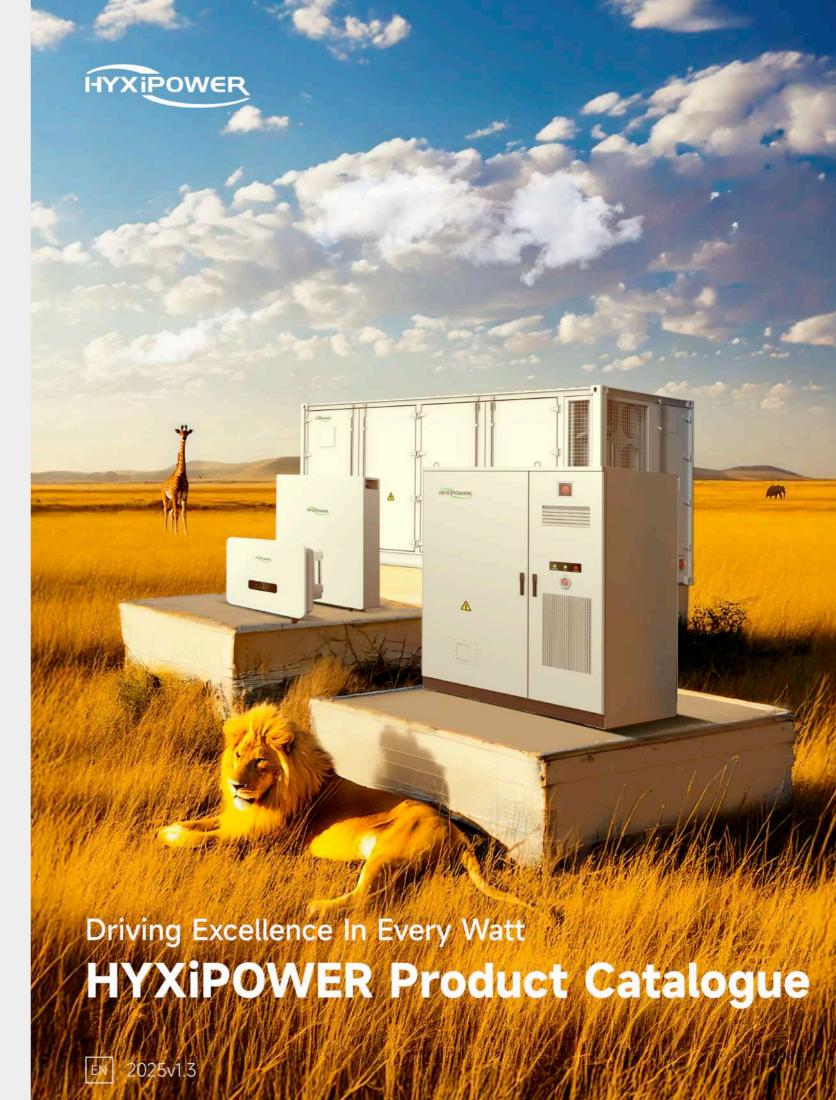
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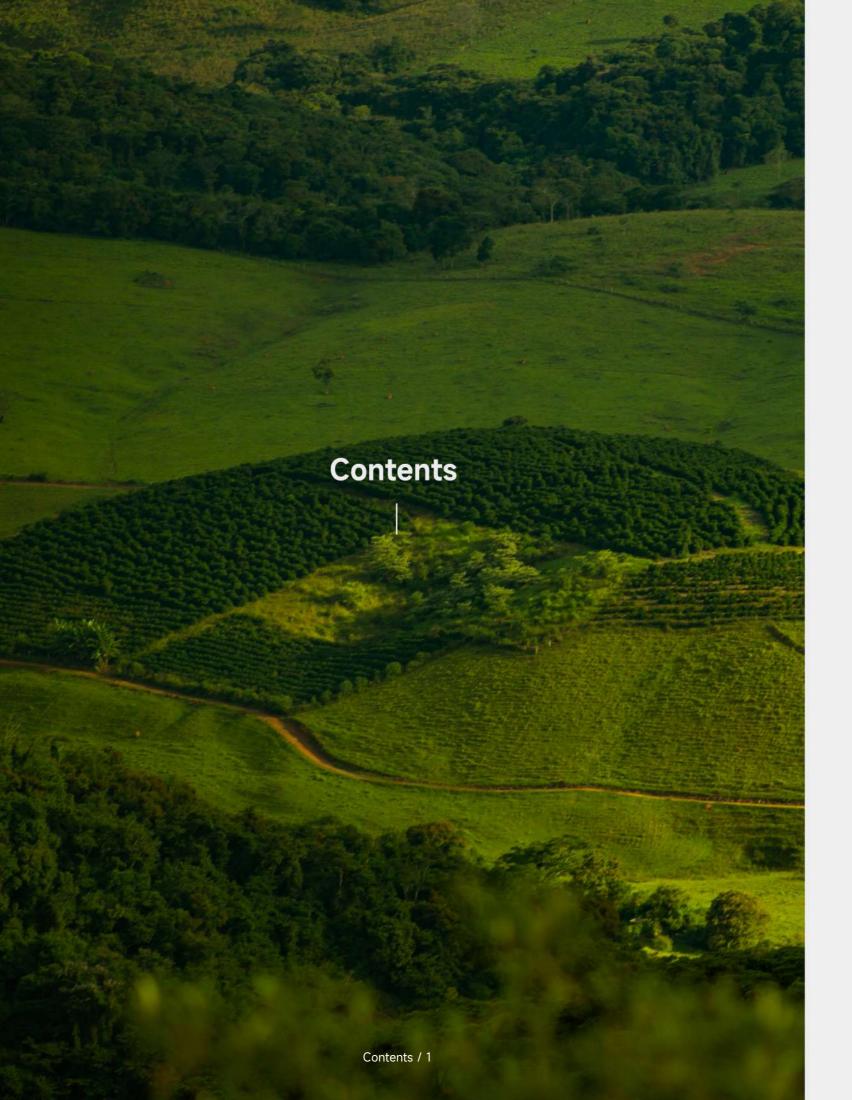


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About HYXiPOWER



Zhejiang Hyxi Technology Co., Ltd. (referred to as "HYXiPOWER") is a high-tech enterprise specializing in smart PV & ESS, integrating R&D, manufacturing, sales, and services.

The company offers products such as photovoltaic inverters, energy storage systems, and smart energy platforms. Dedicated in providing leading renewable energy solutions for residential, C&I, and utility-scale applications, HYXiPOWER is deeply engaged in power electronic topology, core algorithms, thermal management, magnetics, EMC, BMS, EMS, AI, and smart energy platforms.

With over 70 core intellectual properties and more than 200 certifications received from global institutions such as TÜV Rheinland, CSA, Bureau Veritas, and SGS, HYXiPOWER operates 12 Global Technical Service Centers (GTAC) across six continents, promoting a greener, low-carbon and sustainable future in collaboration with global partners.

Shaping the Infinite Future

Through the Power of Light

Our Core Value

Quality, Innovation, Efficiency, Win-Win

Our Mission

Enjoy Green Energy Globally

Our Vision

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



HYXiPOWER is committed to excellence through our "SUPER FIVE" concept

Super Service, Super Usability, Super Performance, Super ValuE, Super Reliability

It reflects our dedication to innovation and craftsmanship

Underpins our commitment to global sustainable energy development

SUPERFIVE

Together, we pave the way to a greener, more sustainable world

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Driving Green Energy Innovation

to Serve Global Customers



20+

Years R&D Experience

70% R&D Personnel

70+Core Intellectual Properties

100+

Countries & Regions

12Global Technical
Assistance Centers
(GTACs)

14Spare Parts Centers

24/7

Customer Support

200+

Local Professionals

1,000+
Service Partners

Top-Tier Manufacturing & Supply 40,000+ Square Meters of Excellence



Green Production Line
Hangzhou · China | Main Production Base

BI Reports



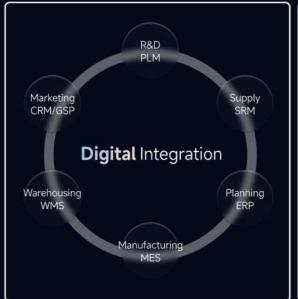
Al Driven Smart ProductionJinhua · China | Battery Factory

Intelligent O&M Big Data Components Analysis Models

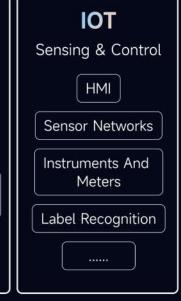
KPI Achievement

Data Analysis

Data Processing







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Safety and Quality Assured

300+ Advanced Experimental Capabilities

Committed for 25 Years of Reliability

Extreme Environment Test Ensures
Durability in Various Conditions

82-Day

Residential ESS Product Environmental Reliability Load Test

> Environmental Reliability Tests



Water Immersion Test



Freezing Test



Rainfall Test



EMC Test



High Temperature Test



Salt Spray Test

Precision Testing for Ultimate Reliability

Achieved through Comprehensive Quality Assurance

124,000+

Cumulative Electrical Reliability Tests

1,300 9,125
Grid Phase Angle Grid Overshoot Event Test

9.000 1.300

Grid Disconnection Grid Voltage Sag
Event Tests Event Tests

18,250

Voltage Fluctuation Test

200Four-Phase Angle Surge Tests

2,300+

Performance & Extreme Condition Tests

500+

Key Performance Tests

Including stress testing, MPPT efficiency, anti-backflow, battery efficiency, voltage adaptability, etc., ensuring safe operation

1,700+

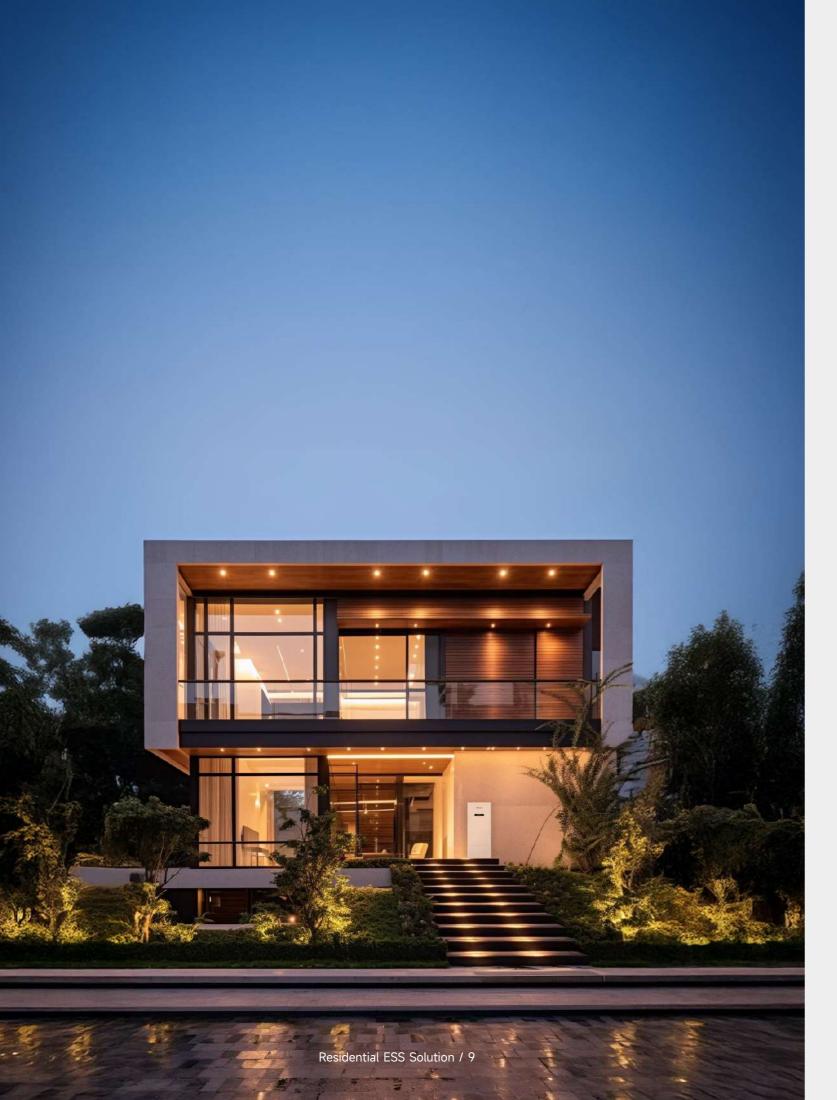
Extreme Condition Tests

Covering weak grid adaptation, harmonic anomalies, load compatibility, low-light simulation, battery emergency test etc., ensuring robust reliability



200+ Global Certifications

Recognized by TÜV Rheinland, CSA, Bureau Veritas, SGS, etc.



Residential

ESS Solution

Overview

HYXiPOWER Residential ESS Solution 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.

Highlight



High Efficiency

- PV and energy storage integrated
- High conversion efficiency to maximize revenue



Safe and Reliable

- Cell-level management
- Real-time monitoring of battery operation status



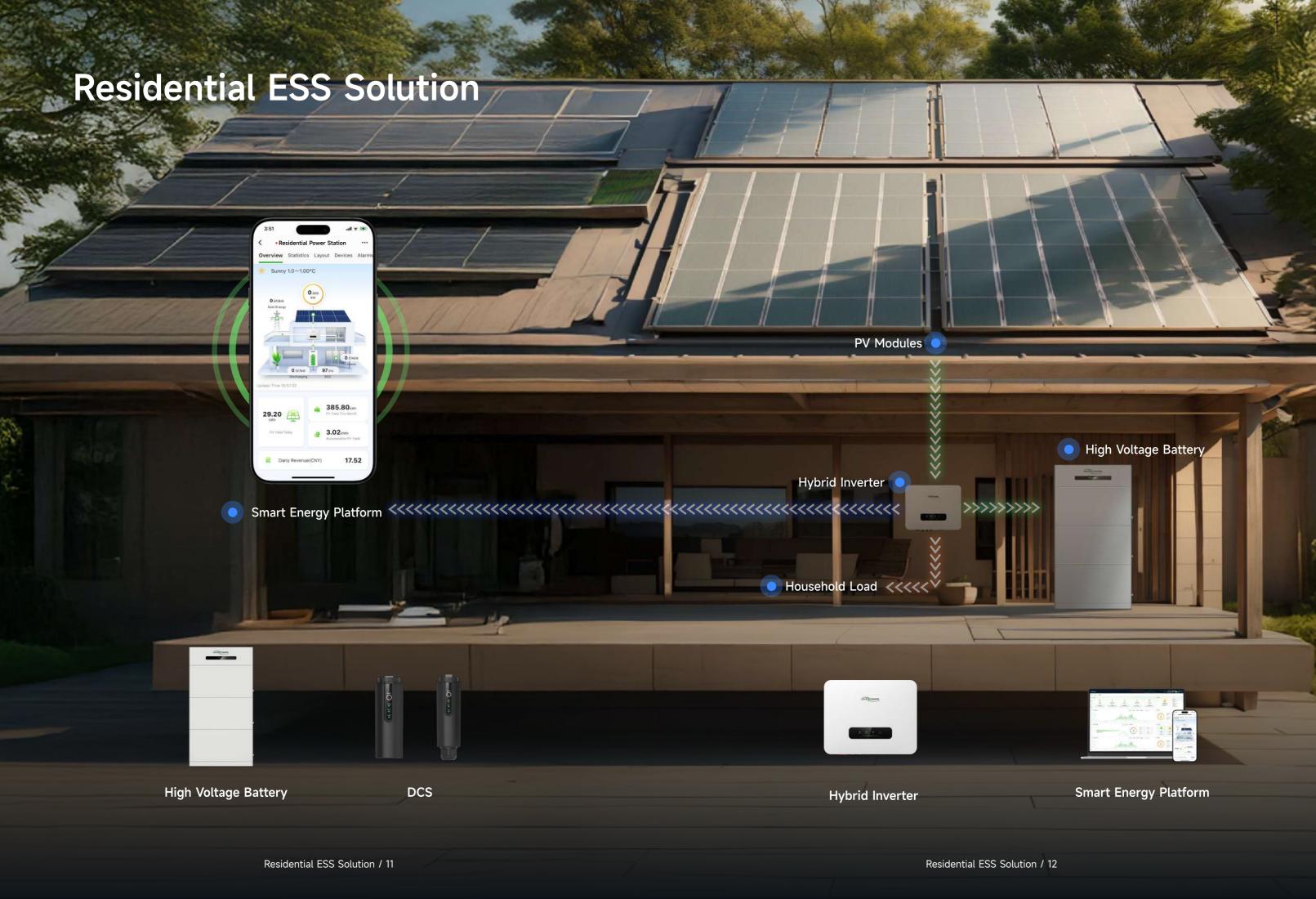
Flexible Design

- Real-time monitoring of home power operation
- Multi-mode free switching



Intelligent O&M

• Intelligent detection for comprehensive O&M



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HIGH VOLTAGE BATTERY HYX-E50-H3 HYX-E100-H3



Safety

- Cell temperature collection, built-in breaker & fuse
- IP65 Protection degree

Performance

- 90% Depth of Discharge, Ultra-low power consumption
- LiFePO4 cell configuration, safety and long cycle life
- · High Voltage and High Efficiency

Simplicity

- Integrated design, Easy Installation
- Streamlined structure, Space-saving

Flexible

- Wall-mounted & floor-mounted
- Scalable to 40kWh

HYX-E50/100-H3 **Technical Specifications**

Battery System	HYX-E50-H3	HYX-E100-H3			
Appearance	1 To Secure	+776-way			
Total Battery Capacity	5.12kWh	10.4kWh			
Usable Capacity ¹	4.6kWh	9.36kWh			
Nominal Voltage	102.4V	208V			
Working Voltage	86.4 - 115.2V	175.5 - 234V			
Cell Type	LiFeF	PO4			
Nominal Charging/Discharging Current	25/				
Max. Charge/Discharge Current	30A				
Peak Charge/Discharge Current	60A (10S				
Dimensions (W*H*D)	535*498*185.7mm	640*730*185mm			
Net Weight	56kg	105kg			
SOC Indicator	4*LED (25%, 50	%, 75%, 100%)			
State Indicator	2*LED (wo	rk, alarm)			
Working Temperature	Charge: 0 to +55°C Di	scharge: -20 to +55°C			
Ingress Protection Rating	IP6	5			
Working Humidity	5 - 95%RH				
Calendar Life	>6,000 (70%EOL)				
Installation	Wall-Mounted, Floor-Mounted				
Altitude	≤ 3,00	00m			
Communication	CAN, R	\$485			

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

Preliminary

HIGH VOLTAGE BATTERY HYX-E50/100/150/200/250-H2 HYX-E300/400/500-H2



Safe & Reliable

- A+ grade cells with automotive-grade standard
- · Smoke detection, active pressure relief
- IP65, C4 salt spray resistance

Convenient & User-Friendly

- Flat design for easy integration
- · Quick-plug interface for simple installation
- Stackable design for 5-50kWh capacity flexibility

Efficient & Durable

- 32A fast charging/discharging support
- LiFePO4 cells with 6000+ charge/discharge cycles
- Optional PV module pre-heating for broad applications

Smart & Manageable

- · Automotive-grade BMS for efficient energy management
- · Scenario-based app with real-time energy monitoring
- Al-powered cloud with 24/7 alerts and optimization

HYX-E50/100/150/200/250-H2 HYX-E300/400/500-H2

Technical Specifications



Battery System	HYX-E50-H2	HYX-E100-H2	HYX-E150-H2	HYX-E200-H2	HYX-E250-H2
Total Battery Capacity	5.3kWh	10.6kWh	15.9kWh	21.2kWh	26.5kWh
Usable Capacity ¹	4.8kWh	9.6kWh	14.4kWh	19.2kWh	24kWh
Nominal Voltage	102.4V	204.8V	307.2V	409.6V	512V
Working Voltage	86.4 - 115.2V	172.8 - 230.4V	259.2 - 345.6V	345.6 - 460.8V	432 - 576V
Nominal Output Power	3.0kW	6.0kW	9.0kW	12.0kW	15.0kW
DOD			90%		
Cell Type			LiFePO4		
Max. Charging/Discharging Current			32A		
SOC Indicator		4	*LED (25%, 50%, 75%, 100%	6)	
State Indicator			2*LED (work, alarm)		
Communication			CAN, RS485		
Working Temperature			-10 to +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	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.



Battery System	HYX-E300-H2	HYX-E400-H2	HYX-E500-H2	
Total Battery Capacity	31.8kWh	42.4kWh	53kWh	
Usable Capacity ¹	28.8kWh	38.4kWh	48kWh	
Nominal Voltage	307.2V	409.6V	512V	
Working Voltage	259.2 - 345.6V	345.6 - 460.8V	432 - 576V	
Nominal Output Power	18.0kW	24.0kW	30.0kW	
DOD		90%		
Cell Type		LiFePO4		
Max. Charging/Discharging Current		60A		
SOC Indicator		4*LED (25%, 50%, 75%, 100%)		
State Indicator		2*LED (work, alarm)		
Communication		CAN, RS485		
Working Temperature		-10 to +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)	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	BDUP (10.5kg)*1+BDU (9kg)*1+PACK (44kg)*N+base (5.6kg)*2			
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

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RACK-MOUNTED BATTERY (HV) HYX-E(200-600)-HR

Pack



BDU



Safe & Reliable

- Cell temperature collection, Multiple protection mechanism
- Precise Monitoring of SOH

Convenient & User-Friendly

- Flexible expansion, 20~240kWh
- Rack stackable design, easy installtion

Efficient & Durable

- LiFePO4 cells with 4000+ charge/discharge cycles
- 100A fast charging/discharging support

Smart & Manageable

- Automotive-grade BMS for efficient energy management
- Al-powered cloud with 24/7 alerts and optimization

HYX-E(200-600)-HR

Technical Specifications

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-HR	HYX-E300-HR	HYX-E400-HR	HYX-E500-HR	HYX-E600-HR	
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		Recommend: 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: 480.6*537*805mm; 6 PACK + 1 BDU: 480.6*537*1095mm				

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HYBRID INVERTER HYX-H3K/3K6/ 5K/6K-HS1



Reliable

- Type II surge protection
- IP65 design

Simple

- 30mins quick installation
- Easy working mode, set and forget
- Built-in meter, easy connection

Efficient

- 160% PV oversizing, 200% backup turbo output
- 50V ultra-low start-up voltage for longer operation
- 18A PV current wide adaptation

Intelligent

- Smart working logic
- Generator & AC couple retrofit support
- Mobile & PC platform management

HYX-H3K/3K6/5K/6K-HS1 **Technical Specifications**

Product Model	HYX-H3K-HS1	HYX-H3K6-HS1	HYX-H5K-HS1	HYX-H6K-HS1		
PV Input						
Max. Input Power	4800W	5760W	8000W	9600W		
Max. Input Voltage		600'	V			
Start-up Voltage		50\				
MPPT Operating Voltage Range Max. Input Current		80 - 50 18A / 1				
Max. Short-circuit Current		20A / 2				
Number of MPP Trackers		2				
AC Input / Output						
Nominal Power	3000W	3600W	5000W	6000W		
Max. Apparent Power	3300VA	3960VA	5500VA	6600VA		
Nominal Current	13.6A	16.3A	22.7A	27.2A		
Max. Current	15A	18A	25A	30A		
Nominal Voltage		220 / 230 / 240	V, 1 / N / PE			
AC Voltage Range		154 - 2	276V			
THDi		3 - 5	5%			
Frequency		50 / 45-55Hz; 6	0 / 55-65Hz			
Adjustable Power Factor		>0.99 / 0.8 leadin	g0.8 lagging			
DC Current Injection		< 0.59	%ln			
Back-Up(AC Output)						
Nominal Output Power	3000VA	3600VA	5000VA	6000VA		
Max. Continues Output Apparent Power	3300VA	3960VA	5500VA	6600VA		
Peak Output Power	6000W;10s	7200W;10s	10000W;10s	12000W;10s		
Max. Output Current	15A	18A	25A	30A		
Switch Time		< 10r	ms			
Battery						
Battery Type		LiFeP	04			
Battery Voltage Range		80 - 4	90V			
Max. Charge/Discharge Current		304	A			
Max. Charge Power	3000W	3600W	5000W	6000W		
Max. Discharge Power	3300W	3960W	5500W	6600W		
Protection						
Residual Current Monitoring		Yes	3			
DC/AC Surge Protection		Туре	:			
AC Short-circuit Protection		Yes	3			
AC Over Voltage Protection		Yes	3			
Over Frequency Pretection		Yes	3			
Grounded Fault Detection		Yes	5			
General Data						
Operating Temperature Range		-25 to +	-60°C			
Relative Operating Humidity	0 - 100%RH					
Cooling		Natural C	Cooling			
Display	LED / App / Web					
Communication	CAN / RS485 /WIFI / 4G / LAN					
Weight	20kg					
Dimensions (W*H*D)	360*340*136mm					
Degree of Protection		IP6	5			
Over Voltage Category		DC II/	AC II			
Mounting		Wall Mo	unted			
			watt Mounted			

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

HYX-H3K-HS HYX-H3K6-HS HYX-H4K-HS HYX-H4K6-HS HYX-H5K-HS HYX-H6K-HS HYX-H8K-HS Product Model PV Input Max. Array Power Max. Input Power 4,000W / 2,400W 4,600W / 2,760W Max. Input Voltage Start-up Voltage 50V MPPT Operating Voltage Range 80 - 560V 32A (16 / 16) Max. Input Current 48A (24 / 24) Max. Short-circuit Current Number of MPPTs PV input number(Number of String Per MPPT) 2 (1 / 1) AC Input / Output Nominal Current Frequency Adjustable Power Factor

DC Current Injection

Battery

Efficiency

Protection

AC Over Current Protectio

Max Operating Altitude

Back-Up(AC Output) Nominal Output Power 4.000VA 5.000VA 3,000VA 3,600VA Max. Continues Output Apparent Power 4.000VA 4.400VA 5.060VA 5,500VA Peak Output Power 7,500W; 10s 4 500W · 10s 5.400W: 10s 6.000W: 10s 6.900W: 10s Max. Output Current 23.0A Switch Time < 10ms

Battery Type LiFePO4 Battery Voltage Range 80 - 490V Max. Charge/Discharge Current 35A Max. Charge/Discharge Power 8,000W

Max. Efficiency98.60%European Weighted Efficiency98.20%MPPT Efficiency99.90%Battery Charge/ Discharge Efficiency97.50%

DC Insulation Resistance Detection Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC/AC Surge Protection Type II DC Switch Anti-islanding Protection Yes

AC Short-circuit Protection Yes AC Over Voltage Protection Yes Grounded Fault Detection Yes

General Data Operating Temperature Range -25 to + 60°C Relative Operating Humidity 0 - 100 %RH

Cooling Natural Cooling
Display LED / App / Web
Communication CAN / RS485 / WIFI / 4G / LAN
Weight 20kg

 Weight
 20kg

 Dimensions (W*H*D)
 522*416*177.6mm

 Degree of Protection
 IP65

 Mounting
 Wall Mounted

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



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP65, C4 salt spray resistance

Convenient & User-Friendly

- · Compact design, 30-minute quick installation
- · App-enabled quick setup, simple and efficient
- UPS-grade seamless on/off-grid switching

Profitable & Efficient

- Start-up of 50V, wide MPPT range for higher revenue
- 160% overload capacity, 150% instant off-grid overload
- 16A design, 35A battery fast charging/discharging

Smart & Manageable

- · Intelligent IV diagnostics for precise fault identification
- · Scenario-based app with real-time energy monitoring
- Intelligent control for generators and heat pumps

HYX-H5K-HT HYX-H6K-HT HYX-H8K-HT Product Model HYX-H10K-HT HYX-H12K-HT PV Input Max. Array Power 10,000W 12,000W 16,000W 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 54A (18 / 18*2) 36A (18 / 18) 60A (30 / 30) 90A (30 / 30*2) Max. Short-circuit Current Number of MPPTs PV input number(Number of String Per MPPT) 2 (1 / 1) 3 (1 / 2) AC Input / Output Nominal Output Power Max. Output Apparent Powe Max. Output Current Max. Input Current THDi Frequency Adjustable Power Factor DC Current Injection Back-Up(AC Output) Nominal Output Power 5 000VA 8 000VA 10 000VA 12 000VA 6.000VA 11,000VA 13,200VA Max. Continues Output Apparent Power 5.500VA 6.600VA 8.800VA Peak Output Power 7500W: 10s 9.000W: 10s 12.000W: 10s 15.000W: 10s Nominal Output Current 12 2A Max. Output Current 18.2A Switch Time < 10ms Battery Battery Type LiFePO4 Battery Voltage Range 40A Max. Charge/Discharge Power 6,600W 8,800W 13,200W Efficiency Max Efficiency European Weighted Efficiency 98.20% MPPT Efficiency 9990% Battery Charge/ Discharge Efficiency 97.50% Protection DC Insulation Resistance Detection Residual Current Monitoring DC Reverse Polarity Protection DC/AC Surge Protection Anti-islanding Protection AC Over Current Protectio AC Short-circuit Protection AC Over Voltage Protection Grounded Fault Detection General Data Operating Temperature Range Relative Operating Humidity Max. Operating Altitude Cooling Natural Cooling Display Communication Weight

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



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP65, C4 salt spray resistance
- PV optimizers compatible, module-level shutdown

Convenient & User-Friendly

- · Compact design, 30-minute quick installation
- · App-enabled quick setup, simple and efficient
- · Intelligent layout with rapid module-level visualization
- UPS-grade seamless on/off-grid switching

Profitable & Efficient

- Start-up of 160V, wide MPPT range for higher revenue
- 160% overload capacity, 150% instant off-grid overload
- 18A design, 35A battery fast charging/discharging

Smart & Manageable

- · Intelligent IV diagnostics for precise fault identification
- · Module-level monitoring for precise fault positioning
- · Scenario-based app with real-time energy monitoring
- Intelligent control for generators and heat pumps



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



Safe & Reliable

- Type II surge protection
- IP65,C4 salt spray design
- AFCI + RSD (Optional), ultimate peace of mind

Convenient & User-Friendly

- 30mins quick installation
- Easy working mode, set and forget
- Automatic ON/OFF-Grid switching time <10ms

Profitable & Efficient

- 160% PV oversizing + 150% backup turbo output
- 150~800V wide battery voltage range + 60A fast charge/discharge
- 20A PV current wide adaptation

Smart & Manageable

- Smart working logic
- Intelligent Generator control
- Mobile & PC platform management

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

Technical Specifications

Product 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)		(10,000W/10,000W)/(10,000W/10,000W)		
Max. Input Voltage	(0,000****0,000***)/(0,000****0,000***)	1,10		(12,000 00 12,000 00 17) (12,000 00 12,000 00	
Start-up Voltage		16			
MPPT Operating Voltage Range		140 - 1			
Max. Input Current		80A (20*			
Max. Short-circuit Current		120A (30°			
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	63,000VA / 30,000VA	
Max. Input / Output Apparent Power	33,000VA / 16,500VA	44,000VA / 22,000VA	55,000VA / 27,500VA	66,000VA / 33,000VA	
Nominal Input / Output Current	47.8A / 22.8A	63.7A / 30.4A	79.5A / 37.9A	95.5A / 45.5A	
Max. Input / Output Current	50.0A / 25.0A	66.7A / 33.4A	83.4A / 41.7A	100A / 50A	
Output Voltage Range	00.07.7 20.07.	3 / N / PE, 220 / 380V,		100717 0071	
Nominal Output Voltage		< ;			
THDi		304 -	476V		
Frequency		50 /	60Hz		
Adjustable Power Factor		0.8 leading.	.0.8 lagging		
DC Current Injection		< 0.5	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		< 10			
Generator					
	45.00011		05.00011	70.00011	
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		LiFe	PO4		
Battery Voltage Range			800V		
Max. Charge/Discharge Current)A		
Max. Charge/Discharge Power	16,500W	22,000W	27,500W	33,000W	
Efficiency					
Max. Efficiency		98.6	50%		
European Weighted Efficiency		98.2	20%		
MPPT Efficiency		99.9	90%		
Battery Charge/ Discharge Efficiency		97.7	'0%		
Protection					
DC Insulation Resistance Detection		Y	es		
Residual Current Monitoring			es		
DC Reverse Polarity Protection			es		
DC/AC Surge Protection			ne II		
DC Switch		Y	es		
Anti-islanding Protection		Y	es		
AC Over Current Protection		Y	es .		
AC Short-circuit Protection		Y	es		
AC Over Voltage Protection		Y	es		
Grounded Fault Detection		Ye	es		
General Data					
Operating Temperature Range		-30 to	+ 60°C		
Relative Operating Humidity			0 %RH		
Max. Operating Altitude			00m		
Cooling	Natural Cooling	Fan Cooling	Fan Cooling	Fan Cooling	
Display		LED / Ap	_		
Communication	CAN / RS485 / PLC / WIFI / 4G / LAN				
Weight	45kg				
Dimensions (W*H*D)	658*523*220mm				
Degree of Protection		IP			
Mounting	Wall Mounted				



C&I PV and ESS Solution

Overview

HYXiPOWER C&I PV and ESS Solution 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.

Highlight



Safe and Reliable

- Superior algorithms to ensure equipment stability
- Safeguard system operation during off-grid



High Efficiency

- Meeting daytime power needs, reducing reliance on the grid
- Surplus electricity can be sold to the grid, maximizing returns



Eco-Friendly

Reduce carbon emissions



Intelligent O&M

- Real-time monitoring, remote maintenance
- One-stop O&M interface

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



Safe & Reliable

- IP66, 1,400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 40A design, dynamic MPPT efficiency of 99.9%
- Built-in PID repair, improving overall system performance
- Al dynamic MPPT, boosting power generation by 5%

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-S29K9-T	HYX-S30K-T	HYX-S33K-T	HYX-S36K-T	HYX-S40K-T	HYX-S50K
PV Input						
Max. Input Power	48kW	48kW	52.8kW	57.6kW	64kW	80kW
Max. Input Voltage			1,1	00V		
Nominal Input Voltage			60	00V		
Start-up Voltage			16	00V		
MPPT Operating Voltage Range			140 -	1,000V		
MPPT Full Load Voltage Range			450 -	- 850V		
Max. Input Current Per MPPT			4	0A		
Max. Input Current Per String			2	0A		
Max. Short-Circuit Current			5	0A		
Number of MPPT			3			4
Max. Input Number Per MPPT		2/2	2/2		2/2	/2/2
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		
	45.4A, 380V	45.6A / 380V	50.2A / 380V	54.7A / 380V	60.8A / 380V	76A / 380V
Nominal Output Current	43.1A, 400V	43.3A / 400V	47.6A / 400V	52A / 400V	57.7A / 400V	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 leading0.8 lagging					
THDi			<	3%		
Efficiency						
Max. Efficiency			98	.6%		
European Weighted Efficiency	98.1%					
MPPT Efficiency		99.9%				
Protection						
Active Anti-islanding Protection			Υ	'es		
Residual Current Monitoring			Υ	'es		
DC Reverse Polarity Protection			Υ	es es		
DC Switch			Υ	'es		
AC Short-circuit Protection			Υ	es es		
AC Overvoltage Protection			Υ	'es		
AC Overcurrent Protection			Υ	/es		
DC Surge Protection			Ту	pe II		
AC Surge Protection			Ту	pe II		
Ground Fault Detection			Υ	es es		
AFCI	Optional					
PID recovery			Opt	ional		
General Data						
Operating Temperature Range			-30 to	+ 60°C		
Relative Operating Humidity	0 - 100 %RH					
Operating Altitude	4,000m					
Cooling	Smart Air Cooling					
Display	LED/ WLAN+App					
Communication	RS485 / 4G / WIFI / HPLC					
Weight	44kg					
Dimensions (W*H*D)		615*460*268.5mm				
Topology	Non-Isolated					
Degree of Protection		IP66				
Overvoltage Level			D\/ II	/ AC III		

C&I PV and ESS Solution / 29

HYBRID INVERTER HYX-H50K/75K/99K9 100K/110K/125K-ET



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP66, 1400+ cumulative rigorous tests

Convenient & User-Friendly

- · Compact and lightweight, plug-and-play
- · App-based quick setup, simple and efficient

Profitable & Efficient

- 40A input per MPPT
- Built-in PID repair, improving overall system performance
- Al dynamic MPPT, boosting power generation by 5%
- DC coupled solution, higher system efficiency
- PV-ESS integrated, lower system cost

Smart & Manageable

- · Three-phase wiring sequence adaptive, easy system wiring
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

Topology
Desire of Distration

Product Model HYX-H50K-ET HYX-H75K-ET HYX-H99K9-ET HYX-H100K-ET HYX-H110K-ET HYX-H125K-ET DC Input (PV) Max. Input Voltage Rated Input Voltage Start-up Voltage MPPT Operating Voltage Range Max. Input Current per MPPT Max. Input Current per String Number of Input Max. Backfilling Current DC Input (Battery) Rated Input Voltage Battery Voltage Range Max. Charge/Discharge Current **AC Output** AC Output Power Max. Apparent Power 109.9kVA Rated Output Voltage AC Grid Frequency 113.9A/380V 75.9A/380V 151.9A/380V 151.9A/380V 167.1A/380V 189.9A/380V Rated Output Current 72.1A/400V 108.2A/400V 144.3A/400V 144.3A/400V 158.7A/400V 180.4A/400V 125.3A/380V 167.1A/380V 83.5A/380V 167.1A/380V 183.8A/380V 189.9A/380V Max. Output Current > 0.99 / 0.8 leading...0.8 lagging Three Phase Unbalanced Outpo THDi **Efficiency** European Weighted Efficiend MPPT Efficiency Protection Active Anti-islanding Protection Residual Current Monitoring DC Reverse Polarity Protection AC Short-Circuit Protection AC Overvoltage Protection AC Overcurrent Protection DC Surge Protection AC Surge Protection AFCI PID Recovery Optional **General Data** Operating Temperature Range Operating Altitude

^{1:} When connected to the battery cabinet, the maximum PV input voltage is 650V.

© Design and specifications are subject to change without notice.

Version 1.1-2025

HYX-S75K/100K/110K/120K-T **Technical Specifications**

STRING INVERTER HYX-S75K/100K/ 110K/120K-T



Safe & Reliable

- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown
- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 40A design, dynamic MPPT efficiency of 99.9%
- Built-in PID repair, improving overall system performance
- Al dynamic MPPT, boosting power generation by 5%

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Real-time monitoring with OTA for online maintenance

Mail Provide	Product Model	HYX-S75K-T	HYX-S100K-T	HYX-S110K-T	HYX-S120K-T	
Max. Injust Voltage 1,100 V Hormal Injust Voltage 6,20 V Hormal Injust Voltage 7,20 V Hormal Injust Voltage 8,20 V Hormal Injust Voltage 8,20 V HOPT Clocating Voltage 8,20 V HOPT Clocating Voltage 8,20 V Hormal Voltage 1,20 V Hormal Voltage 1	PV Input					
Normal India Wilapp	·		1.10	00V		
Mary Mary Marger Range Marger Range Mary Marger Range Marger Range Marger Range Marger Range						
MIPOT Operating Vatage Range						
MEPT Full Load Voltage Range 500 - 550V Mark Range 140A						
Max. Injust. Current. Per PEPTY Max. Injust. Current Per PEPTY						
Max. Short-Circuit Current 50A						
Max. Short-Circuit Current 50A Marcheor of MPPT 10						
Number of MPPT						
Max. Input Number Per MIPPT 20 AC Output Courty Nominal Output Power 75W 100MW 110MW 120MW Max. Apparent Power 82 BAVA 110MA 121MWA 122AVA Nominal AC Grid Frequency SD / 40Hz 100MW 110MWA 120MWA 122AVA Nominal AC Grid Frequency SD / 40Hz 1513A 1513A 157A 1823A 1857A 190.5A 283A						
AC Output AC Output TOMW 100MW 100MW 120MW Nominal Output Power 8.2 SWA 110MW 120WM 132WA Nominal Output Voltage 3.7 N / PE 220 / 380V, 230 / 400V 132WA Nominal Output Current 113 9A 1519A 1627A 182.3A Max. Order Frequency 125 3A 1672A 185.7A 190.5A Max. District Power Factor 125 3A 1672A 185.7A 190.5A TID < 3%						
Nominal Output Power						
Max. Apparent Power 82.5K/A 110k/A 121k/A 132k/A Nominal AC Gind Frequency 50 / 60/LF 200 / 60/LF 200 / 60/LF Nominal AC Gind Frequency 159 / 60/LF 167 / 60 182.5A Max. Output Current 113.9A 161.9A 167.1A 182.5A Aday, stable Power Factor 125.3A 167.2A 185.7A 190.5A Aday, stable Power Factor 20.8 leading 0.8 leading 0.8 leaging 190.5A 190.5A Aday, stable Power Factor 20.8 leading 0.8 leading		75 <i>W</i>	100kW	110kW	120kW	
Nominal Output Voltage						
Nominal AC Grid Frequency		OZ.JKVA			IJZKVA	
Nominal Output Current 113.9A 1519A 1671A 182.3A 182.3						
Max Output Current 125.34 1672A 185.7A 190.5A Adjustable Power Factor 0.8 leading0.8 lagging 187.7 187.7 187.7 190.5A 190.5B		117.04			100.74	
Adjustable Power Factor 0.8 leading0.8 lagging THDI < 3%						
Efficiency Max. Efficiency 98.8% European Weighted Efficiency 98.8% MPPT Efficiency 99.9% Protection Seesible Current Monitoring Seesible Current Monitoring Possibility Current Monitoring Yes DC Switch Yes DC Switch Yes AC Over-ottage Protection Yes AC Surge Protection Type II AC Surge Protection Yes AC Surge Protection Yes AC Surge Protection Yes AFCI Optional Ellow Pilonal Pilonal Pilor covery Optional General Data Yes AC Surge Protection Yes Coloring Temperature Range 30 to + 60°C Relative Operating Hurridity 4,000°m <t< td=""><td></td><td>125.5A</td><td></td><td></td><td>190.5A</td></t<>		125.5A			190.5A	
### Efficiency Max. Max. Max. Max. Max. Max. Max. Max.						
Max. Efficiency 98.8% European Weighted Efficiency 98.3% MPPT Efficiency 99.9% Protection Rative Anti-islanding Protection General Electric Frequency Shift Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC Switch Yes AC Short-icruit Protection Yes AC Overoltage Protection Yes AC Overourent Protection Yes AC Overourent Protection Yes AC Surge Protection Yes AC Surge Protection Yes AC Surge Protection Yes AC Surge Protection Yes AFCI Optional PID recovery Optional General Data Yes Operating Temperature Range -30 to +60°C Relative Operating Humidity 0 -100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/WLAN+App Communication RS485 / 4G / WiFi / HPLC We		< 3%				
European Weighted Efficiency 98.3% MPPT Efficiency 999% Protection Active Anti-islanding Protection Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC Switch Yes AC Overvoit Protection Yes AC Overvoitage Protection Yes AC Overcurent Protection Yes DC Surge Protection Type II AG Surge Protection Type II Ground Fault Detection Yes AFCI Optional PID recovery Optional PID recovery Optional Operating Temperature Range *30 to +60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W+I*D) 1000*730*75mm Topology Non-solated Degree of Protection 1P66						
MPPT Efficiency 999% Protection Active Arth-istanding Protection General Electric Frequency Shift Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC Switch Yes AC Short-circuit Protection Yes AC Overoultage Protection Yes AC Overourent Protection Yes AC Overourent Protection Type II AC Surge Protection Type II AC Surge Protection Yes AFCI Optional PID recovery Optional PID recovery Optional Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLANL-App Communication RS485 / 4G / WIF / HPLC Weight 94kg Dimensions (W+D) 1000730*7375mm Topology Non-Isolated Degree of Protection IP66						
Protection Active Anth-islanding Protection General Electric Frequency Shift Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC Switch Yes AC Short-circuit Protection Yes AC Overcutent Protection Yes AC Overcutrent Protection Yes AC Overcutrent Protection Yes AC Overcutrent Protection Yes AC Surge Protection Type II Ground Fault Detection Yes AFCI Optional IDID recovery Optional Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W+D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66						
Active Anti-islanding Protection Residual Current Monitoring Proservise Polarity Protection Presidual Current Monitoring Proservise Polarity Protection Presidual Current Monitoring Presidual Current Monitoring Presidual Current Protection Presidual Covervoltage President	MPPT Efficiency		99.	9%		
Residual Current Monitoring Yes DC Reverse Polarity Protection Yes DC Switch Yes AC Short-circuit Protection Yes AC Overoutlage Protection Yes AC Overoutlage Protection Yes AC Overoutlage Protection Yes DC Surge Protection Type II AC Surge Protection Yes AFCI Optional General Path Optional General Data Optional Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS457 4G / WIFI / HPLC Weight 94kg Dimensions (W'H'D) 1000*750*375mm Topology Non-Isolated Degree of Protection IP66	Protection					
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 Optional Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RPH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W'H'D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Active Anti-islanding Protection		General Electric	Frequency Shift		
DC Switch Yes AC Short-circuit Protection Yes AC Overouftage Protection Yes AC Overcurrent Protection Type II AC Surge Protection Type II AC Surge Protection Yes Ground Fault Detection Yes AFCI Optional PID recovery Optional General Data Coperating Temperature Range Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication R485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Residual Current Monitoring		Ye	es		
AC Short-circuit Protection AC Overvoltage Protection AC Overcurrent Protection AC Overcurrent Protection AC Surge AC	DC Reverse Polarity Protection		Ye	es		
AC Overvoltage Protection Yes AC Overcurrent Protection Type II AC Surge Protection Type II AC Surge Protection Yes AFCI Optional PID recovery Optional General Data Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 46 / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	DC Switch		Ye	es		
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 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 46 / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	AC Short-circuit Protection		Ye	es		
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 to +60°C Relative Operating Humidity 0 -100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IFF	AC Overvoltage Protection		Ye	es		
AC Surge Protection Ground Fault Detection AFCI Optional PID recovery Optional O	AC Overcurrent Protection		Ye	es		
Ground Fault Detection AFCI Optional PID recovery Optional General Data Operating Temperature Range -30 to +60°C Relative Operating Humidity 0 -100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	DC Surge Protection		Тур	pe II		
AFCI Optional PID recovery Optional General Data Operating Temperature Range -30 to +60°C Relative Operating Humidity 0 -100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	AC Surge Protection		Тур	pe II		
PID recovery Optional General Data Operating Temperature Range -30 to +60°C Relative Operating Humidity 0 -100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Ground Fault Detection		Ye	es		
General Data Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	AFCI		Opti	onal		
Operating Temperature Range -30 to + 60°C Relative Operating Humidity 0 - 100 %RH Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	PID recovery	Optional				
Relative Operating Humidity Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight Pumensions (W*H*D) Topology Non-Isolated Degree of Protection O - 100 %RH 4,000m RS485 / 4G / WIFI JONE OF THE	General Data					
Relative Operating Humidity Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight Pumensions (W*H*D) Topology Non-Isolated Degree of Protection O - 100 %RH 4,000m RS485 / 4G / WIFI JONE OF THE	Operating Temperature Range		-30 to	+ 60°C		
Operating Altitude 4,000m Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Relative Operating Humidity					
Cooling Smart Air Cooling Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Operating Altitude					
Display LED/ WLAN+App Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Cooling					
Communication RS485 / 4G / WIFI / HPLC Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66	Display	-				
Weight 94kg Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66						
Dimensions (W*H*D) 1000*730*375mm Topology Non-Isolated Degree of Protection IP66						
Topology Non-Isolated Degree of Protection IP66						
Degree of Protection IP66						
	Overvoltage Level					

C&I PV and ESS Solution / 33

HYX-EF215P2

Technical Specifications

Product Model HYX-EF215P2 HYX-EF215P2-S Battery Rating Battery Type Cell Capacity Battery Configuration Nominal Voltage/Voltage Range Nominal Capacity Maximum Charge/Discharge Currer Nominal Charge/Discharge Curren Calendar Life **AC Grid Rating** Nominal Input/Output Voltage Nominal Frequency Nominal Input/Output Power Max. Input/Output Apparent Power Nominal Input/Output AC Curren Max. Input/Output AC Curren Power Factor -0.99% ~ +0.99%. At nominal power AC Backup Rating Nominal Voltage Nominal Frequency Max. Output AC Currer Max. Active Powe Power Factor General Data System Parallel Units Operating Temperature Rang Dimensions (W*H*D Protection Degree Cooling Method Max. Operating Altitude ≤ 2,000m

WIFI / LAN / 4G(Option

AIR COOLING ESS HYX-EF215P2 HYX-EF215P2-S



Networking Mode

Extreme Performance, More Grid Friendly

- Supports 8 units parallel on grid, system can cover 100kW/215kWh~800kW/1.72MWh
- Single unit supports seamless switching, off-grid switching time ≤ 20ms
- Three-phase four-bridge arm architecture supports single-phase 100% unbalanced load function
- PCS supports high and low penetration, island, and black start, support reactive power compensation, harmonic treatment

Safety & Reliable Performance

- Multi-level fire protection system
- Battery compartment and electrical compartment are isolated
- Certification: UN38.3, CE, IEC62619, 1.2m drop test, IEC 62477, IEC 61000

Multi-strategy Applications

- · Integration of EMS inside
- Support peak shaving and valley filling, demand control, emergency backup power supply and other power consumption strategies
- Support MQTT protocol and IEC104 protocol, can participate in peak and frequency modulation

Easy to Install & Maintain

- Pre-installation and pre-test are available at the factory, Quick on-site construction wiring installation
- Support hoisting/fork construction methods
- Modular design, maintenance worry-free
- Remote O&M management, support WEB, Cloud & APP

AIR COOLING ESS HYX-EF215P2-M HYX-EF215P2-MS



Ultimate Performance, Light Storage Fusion

- Integrated photovoltaic input function
- Supports 8 units parallel on grid, system can cover 100kW/215kWh~800kW/1.72MWh
- Supports 4 units parallel off grid, system can cover 100kW/215kWh~400kW/860kWh
- Single unit supports seamless switching, off-grid switching time ≤ 20ms
- Three-phase four-bridge arm architecture supports single-phase 100% unbalanced load function
- · Support pure grid connection, pure off-grid, and combined operation

Safety & Reliable Performance

- Multi-level fire protection system
- Battery compartment and electrical compartment are isolated
- Certification: UN38.3, CE, IEC62619, 1.2m drop test, IEC 62477, IEC 61000

Multi-strategy Applications

- · Integration of EMS inside
- Support peak shaving and valley filling, demand control, emergency backup power supply and other power consumption strategies
- Support MQTT protocol and IEC104 protocol, can participate in peak and frequency modulation

Easy to Install & Maintain

- Pre-installation and pre-test are available at the factory, Quick on-site construction wiring installation
- Support hoisting/fork construction methods
- Modular design, maintenance worry-free
- Remote O&M management, support WEB, Cloud & APP

Baltery Type LifePO4 Cell Capacity 3280-h Statisty Configuration 1P2405 Nommal Chaper Mottage Range 78.0672 8647 Nommal Chaper Obstage Current 2800A Nommal Charge Discharge Current 1800A Calendar Life 4.000 / 709KEOL US-LIFE, 0.5F) VPV Rating Wasimum Injust Voltage Merry Voltage Range 310-6507 Max Injust Current Fier MFMT Channel 165A 16c Current Per MPPT Channel 165A 16c Current Per MPPT Channel 2 16c Current Per MPPT Channel 3.000W AC Grid Rating 3.000W Normal Injus/Output Voltage 3.000W Normal Injus/Output Voltage 3.000W Normal Injus/Output Flower 1006W Normal Injus/Output AC Current 145A Max. Expul/Output AC Current 1,000 Normal Preparent Power 1006W Normal Injus/Output AC Current 1,000 Normal Preparent Power 1,000 Normal Preparent Power 1,000 Nor	Product Model	HYX-EF215P2-M	HYX-EF215P2-MS			
Coll Capole/by 280Am Battery Configuration 1P2465 Nominal Oblogate/Oltage Ronge 786407-2647 Nominal Capolity 2P84M1 Montinal Charge/Discharge Current 200A Nominal Charge/Discharge Current 100A Acceptable 100A PV Rating 90DV Maximum Input Voltage 90DV METT Votage Ronge 310-6507 Maximum Input Voltage 166A MEPT Channels 1800A Sic Current Per MPPT Channel 1800A Sic Current Per MPPT Channel 1800A AC Grid Rating 2 Nominal Input/Output Polary 50069ftz Nominal Input/Output Polary 100AW Nominal Input/Output Polary 100AW Nominal Input/Output Polary 100A Nominal Input/Output Polary 10A Nominal Input/Output Polary	Battery Rating					
Subtery Configuration 1974/55	Battery Type	LiFePO4				
Nominal Vallage Malage Mange 76,8672-864V Nominal Capacity 215,940V Maximum Charge/Discharge Current 280.A Nominal Charge/Discharge Current 140.A Calendar Life 6,000 / 709/ECN Washing 900V Missimum Injust Voltage 900V Missimum Injust Voltage 310 650V Miss Pipul Current Per MPPT Channel 166.A 160 Current Per MPPT Channel 166.A 160 Current Per MPPT Channel 160.A MPFT Channels 2 Raided Bower Per MPPT Channel 50,60W AC Grid Rating 31,00FE, 4007250V Nominal Injust/Output Voltage \$1,00FE, 4007250V Nominal Injust/Output Voltage \$1,00FE, 4007250V Nominal Injust/Output AC Current 150.A Max. Injust/Output AC Current 150.A Nominal Injust/Output AC Current 1,00A Power Factor 9,99% - 40,99%, At nominal power AC Sackup Rating 1 \$1,00A Nominal Voltage 1 \$1,00A Nominal Voltage 1 \$1,00A	Cell Capacity					
Namial Capacity 2154Wh Maximum Charge/Discharge Current 280A Nominal Charge/Discharge Current 6.000 / 700/EGU (2542°C, 0.59°) VP V Rating 9000 v Maximum Injust Voltage 9000 v MEPT Voltage Range 310%-650°V Maximum Injust Voltage 9000 v MEPT Channel 165A 160 Current Per MPPT Channel 1800 A MPPT Channel 1800 A MPPT Channel 2 Rated Power Per MPPT Channel 500 W AC Grid Rating 2 Nominal Propured Voltage 31,NNE 400/230V Nominal Injust/Output Voltage 31,NNE 400/230V Nominal Injust/Output Apparent Power 1100A Nominal Injust/Output Apparent Power 1100A Max. Injust/Output Apparent Power 1100A Nominal Injust/Output Apparent Power 1100A Max. Injust/Output AC Current 1160A Max. Injust/Output AC Current 1 60A Nominal Injust/Output AC Current 1 60A Nominal Frequency 1 50660Hz (2.5 to 42.5 Hz) Nominal Frequenc		1P240S				
Maximum Change/Discharge Current 280A Nominal Change/Discharge Current 6,000 / 700xEOL (25x2°C, 0,5P) PV Rating 900V Midden In Injust Voltage 900V MIPPT Voltage Range 310 650V MIPPT Voltage Range 1800A MIPPT Channels 1800A SC Current Per MIPPT Channel 1800A MIPPT Channels 2 Rated Power Per MIPPT Channel 50KW AC Grid Rating 2 Nominal Input/Output Voltage 3L/NIPE_4007250V Nominal Input/Output Voltage 3L/NIPE_4007250V Max. Input/Output Apparent Power 100kW Max. Input/Output Apparent Power 100kW Max. Input/Output AC Current 45A Rowninal Input/Output AC Current 100kW Max. Input/Output AC Current 1 60A Power Factor 7 9799% - 1099%, At nominal power AC Sackup Rating 1 60A Norminal Frequency 1 60A Norminal Frequency 1 60A Max. Output AC Current 1 60A Max. Active Power 1 60A <		768/672-864V				
Nominal Intrage/Discharge Current 14pA Calcendar Life 6,000 / 70K/ECL (25-2°C, 0,5°) PV Rating 900V Mountum Input Voltage 900V MEPP Totage Range 3100-550V Max Input Current Per MPPT Channel 1850A MEPP Channel 2 Rised Power Per MPPT Channel 350W AC Grid Rating 3LN/PE, 400/230V Nominal Input/Output Voltage 3LN/PE, 400/230V Nominal Input/Output Voltage 3LN/PE, 400/230V Nominal Input/Output Power 1000W Max. Input/Output AC Current 1000W Max. Input/Output AC Current 160A Max. Input/Output AC Current 160A Power Factor -0.999% - 1.999%, At nominal power AC Backup Rating / 3UN/PE, 400/230V Nominal Infequency / 3UN/PE, 400/230V Naminal Infequency / 9UN						
Calendar Life 6,000 / 70%/ECDL (25+2°C, 0,5P) PV Rating PV Rating MPPT Voltage Range 9000 V MPPT Voltage Range 310-650 V MSPT Channels 165A Ec Current Per MPPT Channel 1800 A MPPT Channels 2 Acted Power Per MPPT Channel 50kW AC Grid Rating 3L/IN/PE, 400/2330 V Nominal Input/Output Voltage 3L/IN/PE, 400/2330 V Nominal Input/Output Voltage 50/60H2 Nominal Input/Output Power 100kW Max. Input/Output Apparent Power 100kW Nominal Input/Output AC Current 145A Max. Input/Output AC Current 160A Nominal Input/Output AC Current 100kW Nominal Input/Output AC Current 1 60A Nominal Input/Output AC Current 1 500 (60Hz (25 to +25 Hz) Max. Deput AC Current 1 60A Nominal Frequency 1 60A Max. Deput AC Current						
PV Rating 900V Maximum Input Vistage 900V MEXPT Vistage Range 310-560V Size Current Per MPPT Channel 166A Size Current Per MPPT Channel 2 Raced Power Per MPPT Channel 506W AC Grid Rating 3L/N/PE, 400/230V Nominal Input/Output Vistage \$L/N/PE, 400/230V Nominal Input/Output Power 100kW Nominal Input/Output Power 110kWa Nominal Input/Output AC Current 145A Max. Input/Output AC Current 160A Nominal Input/Output AC Current 1 60A Nominal Input/Output AC Current 1 60A Nominal Vistage / SL/N/PE, 400/250V Nominal Vistage / 99% + 499%, At nominal power ACE Backup Rating / 90% + 409%, At nominal power Nominal Vistage / 90% + 409%, At nominal power Because Factor / 90% + 409%, At nominal power	*		00.000			
Maximum Injut Voltage 900V MPPT Votage Range 310-6560V Mex. Liput Current Per MPPT Channel 165A loc. Current Per MPPT Channel 1800A MPPT Channel 2 Rated Power Per MPPT Channel 50kW AC Crid Rating 3LNIPE. 400/230V Nominal Input/Output Voltage 3LNIPE. 400/230V Nominal Input/Output Power 100kW Max. Input/Output Apparent Power 100kW Nominal Input/Output Accurrent 145A Nominal Input/Output Accurrent 160A Power Factor -099% - 1099% at nominal power AC Backup Rating 1 Nominal Requency 6 Nominal Requency 7 Nominal Requency 7 Nominal Requency 9 Nominal Requency 9 Nominal Requency 1 Nominal Requency 1 Max. Output Ac Current 9 Max. Output Ac Current 1 Max. Active Power 1 Operating Temperature Range 20 to 50°C		6,000 / /0%EOL (25±2	-C, (0.5P)			
MPPT Votage Range \$10-650V Mex. Input Current Per MPPT Channel 165A Isc. Current Per MPPT Channel 1800A MPPT Channels 50KW AREdet Power Per MPPT Channel 50KW AC Grid Rating \$1LN/PE - 400/230V Nominal Input/Output Votage \$100KW Nominal Input/Output Power 100KW Max. Input/Output Accurrent 110KA Nominal Input/Output AC Current 145A Max. Input/Output AC Current 160A Power Factor -0.999 - 4.999% At nominal power Nominal Votage \$0.099 - 4.099% At nominal power Nominal Votage \$0.099 - 4.099% At nominal power Nominal Frequency \$0.060Hz (-2.5 to - 2.5Hz) Max. Output AC Current \$0.060Hz (-2.5 to - 2.5Hz) Max. Output AC Current \$0.060Hz (-2.5 to - 2.5Hz) Max. Active Power \$0.060Hz (-2.5 to - 2.5Hz) Max. Active Power \$0.000 + 0.099 - +0.099 At nominal Power Cereate Usts \$0.099 - +0.099 At nominal Power Operating Temperature Range \$0.099 - +0.099 At nominal Power Operating Temperature Range \$0						
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Isc Current Per MPPT Channel 1800A Reted Power Per MPPT Channel 50kW AC Grid Rating \$JUNPE, 400/230V Nominal Input/Output Voltage \$JUNPE, 400/230V Nominal Input/Output Voltage \$106kHz Max. Input/Output Apparent Power 100kW Max. Input/Output AC Current 145A Max. Input/Output AC Current 160A Power Factor -0999% + -0.999% At nominal power AC Backup Rating / \$1kMPE, 400/230V Nominal Infequency / \$1kMPE, 400/230V Nominal Frequency / \$1kMPE, 400/230V Nox. Output AC Current / \$1kMPE, 400/230V Max. Active Power / \$1kMPE, 400/230V Power Factor / \$1kMPE, 400/230V System Parallel Units \$(kmPeril Power) \$1kMPE, 400/250V Operating Hu						
MPPT Channels 2 Rated Nower Per MPPT Channel 50kW AC Grid Rating 3J/N/PE, 400/230V Nominal Input/Output Voltage 3J/N/PE, 400/230V Nominal Input/Output Apwer 50/60Hz Max. Input/Output Apparent Power 100kW Max. Input/Output AC Current 145A Max. Input/Output AC Current 145A Max. Input/Output AC Current 145A Power Factor -099% - 4099%, At nominal power AC Backup Rating / 3J/N/PE, 400/230V Nominal Prequency / 3J/N/PE, 400/230V Nominal Frequency / 50/60Hz (-25 to +25 Hz) Max. Output AC Current / 160A Max. Output A						
Rated Power Per MPPT Channel SOMM AC Grid Rating 3 L/N/PE, 400/230V Nominal Input/Output Voltage 3 L/N/PE, 400/230V Nominal Input/Output Power 100KW Max. Input/Output Apparent Power 110KWA Nominal Input/Output AC Current 160A Max. Input/Output AC Current 160A Power Factor -099% + 4,099%, At nominal power AC Backup Rating / 3 L/N/PE, 400/230V Nominal Voltage / 3 L/N/PE, 400/230V Nominal Prequency / 50/60Hz (*2.5 to *2.5 Hz) Max. Output AC Current / 106M Max. Output AC Current / 106W Max. Output AC Current / 106W Max. Output AC Current / 106W Power Factor / 106W Power Factor / 106W Power Factor / 106W Power Factor / 106W Operating Temperature Range 8 (On-grid), 4 (Off-grid) Operating Temperature Range 75 del Opine S						
Nominal Input/Output Voltage \$L/N/FE, 400/250V Nominal Frequency \$0/60Hz Nominal Input/Output Power 100kW Max. Input/Output Apparent Power 110kVA Max. Input/Output AC Current 160A Max. Input/Output AC Current 160A Power Factor -0.99% - +0.99%. At nominal power AC Backup Rating Nominal Involtage / \$1.00A Nominal Frequency / \$0.606Hz (-2.5 to +2.5Hz) Max. Active Power / \$0.606Hz (-2.5 to +2.5Hz) Max. Active Power / \$0.99% - +0.99%. At nominal Power Dower Factor / \$0.99% - +0.99%. At nominal Power Ceeeral Data System Parallel Units \$0.0n-gridl, 4 (Off-grid) Operating Temperature Range \$0.0n-gridl, 4 (Off-grid) Operating Temperature Range \$0.000 Operating Humidity Range \$0.000 Noise \$75dB Dimensions (WHD) \$1750*2200*1170mm Weight \$0.000 Tooling Method \$4erosel Fire Suppression <tr< td=""><td></td><td></td><td></td></tr<>						
Nominal Frequency 50/60 Hz Nominal Input/Output Power 100kW Max. Input/Output Apparent Power 110kWa Nominal Input/Output AC Current 145A Awa. Input/Output AC Current 160A Power Factor -0.99% - +0.99%, At nominal power AC Backup Rating Nominal Voltage / \$0.060 Hz \$0.060 Hz \$0.000 Hz	AC Grid Rating					
Nominal Input/Output Apparent Power 100kW Max. Input/Output AC Current 145A Max. Input/Output AC Current 160A Power Factor -0.99% + 0.99%, At nominal power AC Backup Rating Nominal Nottage / 3L/N/PE, 400/250V Max. Output AC Current / 50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / 100kW Max. Output AC Current / 100kW Max. Active Power / 100kW Power Factor / -0.99% - 4.99%, At nominal Power Ceneral Date System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 9 -95%H Noise 3000kg Dimensions (W-H'D) 1730-220xH7170mm Weight 3000kg Protection Degree JP54 Cooling Method Aerosol Fire Suppression Max. Operating Altitude 4200m	Nominal Input/Output Voltage	3L/N/PE, 400/230V				
Max. Input/Output Apparent Power 110kVA Nominal Input/Output AC Current 145A Max. Input/Output AC Current 160A Power Eactor -0.99% ~ +0.99%, At nominal power AC Backup Rating Nominal Prequency / \$1L/N/PE. 400/230V Nominal Frequency / 50/60Hz. 42.5 to +2.5Hz) Max. Output AC Current / \$100A Max. Active Power / 100AW Power Factor / -0.99% ~ +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range 20 to 50°C Operating Humidity Range 9 5%RH Noise 756B Dimensions (WHD) 1730*220*1170mm Weight 3000kg Protection Degree IP54 Cooling Method Air Cooling Fire Protection Method Aerosol Fire Suppression Max. Operating Altitude < 2,000m	Nominal Frequency	50/60Hz				
Nominal Input/Output AC Current 145A Max. Input/Output AC Current 160A Power Factor -0.99% ~ +0.99%, At nominal power AC Backup Rating V 3L/N/PE, 400/230V Nominal Voltage / \$50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / \$50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / \$100kW Power Factor / -0.99% ~ +0.99%, At nominal Power Power Factor / -0.99% ~ +0.99%, At nominal Power Bystem Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range 2 to 50°C Operating Humidity Range 9 - 95%RH Noise 7 55B Dimensions (W*H*D) 1730*2200*1170mm Weight 3000kg Protection Degree IP54 Cooling Method Aerosol Fire Suppression Max. Operating Altitude 4 2,000m	Nominal Input/Output Power	100kW				
Max. Input/Output AC Current 160A Power Factor -0.99% ~ +0.99%, At nominal power AC Backup Rating V 3L/N/PE, 400/230V Nominal Voltage / 50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / 160A Max. Active Power / 100kW Power Factor / -0.99% ~ +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range -9.5%RH Noise 4.75dB Dimensions (W*H*D) 1730*2200*1170mm Weight 3000kg Protection Degree IP54 Cooling Method Aerosol Fire Suppression Max. Operating Altitude 4 expose Fire Suppression	Max. Input/Output Apparent Power	110kVA				
-0.99% - +0.99%, At nominal power AC Backup Rating Nominal Voltage / 3L/N/PE, 400/230V Nominal Voltage / 50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / 160A Max. Active Power / 100kW Power Factor / -0.99% - +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB Dimensions (W*H*D) 1730*2200*1170mm Weight 3000kg Protection Degree IP54 Cooling Method Aerosol Fire Suppression Max. Operating Altitude 4 erosol Fire Suppression	Nominal Input/Output AC Current	145A				
AC Backup Rating Nominal Voltage / 3L/N/PE, 400/230V Nominal Frequency / 50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / 160A Max. Active Power / -0.99% ~ +0.99%, At nominal Power Power Factor / -0.99% ~ +0.99%, At nominal Power General Data 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB	Max. Input/Output AC Current	160A				
Nominal Voltage / \$LVN/PE, 400/230V Nominal Frequency / 50/60Hz (+2.5 to +2.5Hz) Max, Output AC Current / 160A Max, Active Power / 100kW Power Factor / -0.99% ~ +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB	Power Factor	-0.99% ~ +0.99%, At nominal power				
Nominal Frequency / 50/60Hz (-2.5 to +2.5Hz) Max. Output AC Current / 160A Max. Active Power / 100kW Power Factor / -0.99% - +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH 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	AC Backup Rating					
Max. Output AC Current / 160A Max. Active Power / -0.99% - +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB	Nominal Voltage	1	3L/N/PE, 400/230V			
Max. Active Power / 100kW Power Factor / -0.99% ~ +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH 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	Nominal Frequency	I	50/60Hz (-2.5 to +2.5Hz)			
Power Factor / -0.99% ~ +0.99%, At nominal Power General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB Dimensions (W*H*D) 1730*2200*1170mm Weight 3000kg Protection Degree IP54 Cooling Method Aerosol Fire Suppression Max. Operating Altitude < 2,000m	Max. Output AC Current	1	160A			
General Data System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH 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	Max. Active Power	1	100kW			
System Parallel Units 8 (On-grid), 4 (Off-grid) Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH Noise < 75dB	Power Factor	I	-0.99% ~ +0.99%, At nominal Power			
Operating Temperature Range -20 to 50°C Operating Humidity Range 0 - 95%RH 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	General Data					
Operating Humidity Range 0 - 95%RH 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	System Parallel Units	8 (On-grid), 4 (Off-	grid)			
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	Operating Temperature Range	-20 to 50°C				
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	Operating Humidity Range	0 - 95%RH				
Weight 3000kg Protection Degree IP54 Cooling Method Air Cooling Fire Protection Method Aerosol Fire Suppression Max. Operating Altitude ≤ 2,000m	Noise	≤ 75dB				
Protection Degree IP54 Cooling Method Air Cooling Fire Protection Method Aerosol Fire Suppression Max. Operating Altitude ≤ 2,000m	Dimensions (W*H*D)	1730*2200*1170mm				
Cooling Method Air Cooling Fire Protection Method Aerosol Fire Suppression Max. Operating Altitude ≤ 2,000m	Weight	3000kg				
Fire Protection Method Max. Operating Altitude Aerosol Fire Suppression \$\leq\$2,000m	Protection Degree	IP54				
Max. Operating Altitude ≤ 2,000m	Cooling Method	Air Cooling				
	Fire Protection Method	Aerosol Fire Suppression				
Networking Mode WIFI / LAN / 4G(Optional)	Max. Operating Altitude	≤ 2,000m				
	Networking Mode	WIFI / LAN / 4G(Op	tional)			

HYBRID ESS CABINET 50-125kW 215kWh



Safe & Reliable

- A⁺ grade cells with automotive-grade standard
- Five-level safety design
- 300m AFCI detection with 0.5s rapid shutdown
- Support three-phase unbalance output
- IP66 for inverter, IP55 for cabinet

Convenient & User-Friendly

- Compact & Lightweight Design, pre-installed for easy installation
- Flexible parallel connection of cabinets
- · App-based quick setup, simple and efficient

Profitable & Efficient

- Innovative liquid cooling technology, extend battery life by 20%
- PV-ESS integrated, lower system cost
- Al dynamic MPPT, boosting power generation by 5%
- DC coupled solution, higher system efficiency

Smart & Manageable

- Three-phase wiring sequence adaptive, easy system wiring
- Support on&off grid switching, suitable for various application scenarios
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-H50K-ET	HYX-H75K-ET	HYX-H99K9-ET
DC Input (PV)			
Max. Input Voltage		1,100V¹	
Rated Input Voltage		650V	
Start-up Voltage		160V	
MPPT Operating Voltage Range		140V - 1,000V	
Max. Input Current per MPPT Max. Input Current per String		40A 20A	
Max. Short-circuit Current per MPPT		50A	
Number of MPPT	4	6	8
Number of Input	8	12	16
Max. Backfilling Current		OA	
DC Input (Battery)			
Rated Input Voltage		768V	
Battery Voltage Range		600V - 950V	
Max. Charge/Discharge Current	80.8A	121.3A	161.7A
AC Output			
AC Output Power	50kW	75kW	99.9kW
Max. Apparent Power	55kVA	82.5kVA	109.9kVA
Rated Output Voltage		220/380V, 230/400V, 3L/N/PE	
AC Grid Frequency		50 / 60Hz	
	75.9A/380V	113.9A/380V	151.9A/380V
Rated Output Current	75.9A/360V 72.1A/400V	108.2A/400V	144.3A/400V
Max. Output Current	83.5A/380V	125.3A/380V	167.1A/380V
nax. Output Current	79.4A/400V	119.0A/400V	158.7A/400V
Adjustable Power Factor		> 0.99 / 0.8 leading0.8 lagging	
Three Phase Unbalanced Output		100% Unbalanced Output	
ГНDi		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.0%	
MPPT Efficiency		99.9%	
Protection			
Active Anti-islanding Protection		Yes	
Residual Current Monitoring		Yes	
DC Reverse Polarity Protection		Yes	
DC Switch		Yes	
DC Overvoltage Protection		Yes	
DC Overcurrent Protection		Yes	
AC Overfrequency/Underfrequency Protection		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 to + 60°C	
Relative Operating Humidity		0 - 100% RH	
Max. Operating Altitude		4,000m	
Cooling		Smart Air Cooling	
Display		LED+APP	
Communication		RS485 / 4G / WIFI / HPLC	
Weight		95kg	
Dimensions (W*H*D)		880*760*340mm	
AITHENSIONS (W TT D)			
Fopology		Non-Isolated	

Technical Specifications

Product Model	HYX-H100K-ET	HYX-H110K-ET	HYX-H125K-ET
DC Input (PV)			
Max. Input Voltage		1,100V¹	
Rated Input Voltage		650V	
Start-up Voltage		160V	
MPPT Operating Voltage Range		140V - 1,000V	
Max. Input Current per MPPT		40A	
Max. Input Current per String		20A	
Max. Short-circuit Current per MPPT Number of MPPT		50A 8	
Number of Input		16	
Max. Backfilling Current		OA	
DC Input (Battery)			
Rated Input Voltage		768V	
Battery Voltage Range		600V - 950V	
Max. Charge/Discharge Current	161.7A	177.9A	183.8A
AC Output			
AC Output Power	100kW	110kW	125kW
Max. Apparent Power	110kVA	121kVA	125kVA
Rated Output Voltage		220/380V, 230/400V, 3L/N/PE	
AC Grid Frequency		50 / 60Hz	
D. 10.1.10	151.9A/380V	167.1A/380V	189.9A/380V
Rated Output Current	144.3A/400V	158.7A/400V	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 leading0.8 lagging	
Three Phase Unbalanced Output		100% Unbalanced Output	
THDi		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.0%	
MPPT Efficiency		99.9%	
Protection		7	
Active Anti-islanding Protection		Yes	
Residual Current Monitoring		Yes	
DC Reverse Polarity Protection		Yes	
DC Switch		Yes	
DC Overvoltage Protection		Yes	
DC Overcurrent Protection		Yes	
AC Overfrequency/Underfrequency Protection		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 PID Recovery		Optional Optional	
		Ориона	
General Data		70	
Operating Temperature Range		-30 to + 60°C	
Relative Operating Humidity		0 - 100% RH	
Max. Operating Altitude		4,000m	
Cooling		Smart Air Cooling	
Display		LED+APP	
Communication		RS485 / 4G / WIFI / HPLC	
Weight		95kg	
Dimensions (W*H*D)		880*760*340mm	
Topology		Non-Isolated	
Degree of Protection		IP66	
•		11 00	

Technical Specifications

Product Model	HYX-BOA215			
Technical Parameter				
Battery Type	LiFePO4			
Battery Module Capacity	14.336kWh			
Battery Module Nominal Voltage	51.2V			
Battery Module Qty In Series	15			
System Nominal Voltage	768V			
System Operating Voltage	672V - 864V			
System Capacity	215kWh			
Charge/Discharge Current	Recommend: 140A / Maximum: 170A (60s)			
Calendar Life	≥6000 (25±2°C, 0.5C / 0.5C, 70%EOL)			
General Parameter				
Operating Temperature Range	Charge: 0 to +55°C / Discharge: -20 to +55°C			
Operating Humidity Range	0 - 95% RH			
Max. Operating Altitude	≤2000m			
Cooling Method	Smart Air Cooling			
Protection Degree	IP54			
Dimensions (W*H*D)	1440*2200*1170mm			
Weight	2700kg			
Communication	CAN			
Installation Location	Outdoor			
Fire Protection Method	Aerosol Fire Suppression			
Networking Mode	WIFI / LAN			

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Residential

PV Solution

Overview

HYXiPOWER Residential String Inverter PV Solution 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.

Highlight



Ultimate Safety

- Type II DC/AC surge protection
- · Optional AFCI



High Efficiency

- 20A Max. DC input current, 98.5% high conversion efficiency
- 160% over-sizing, maximizing returns



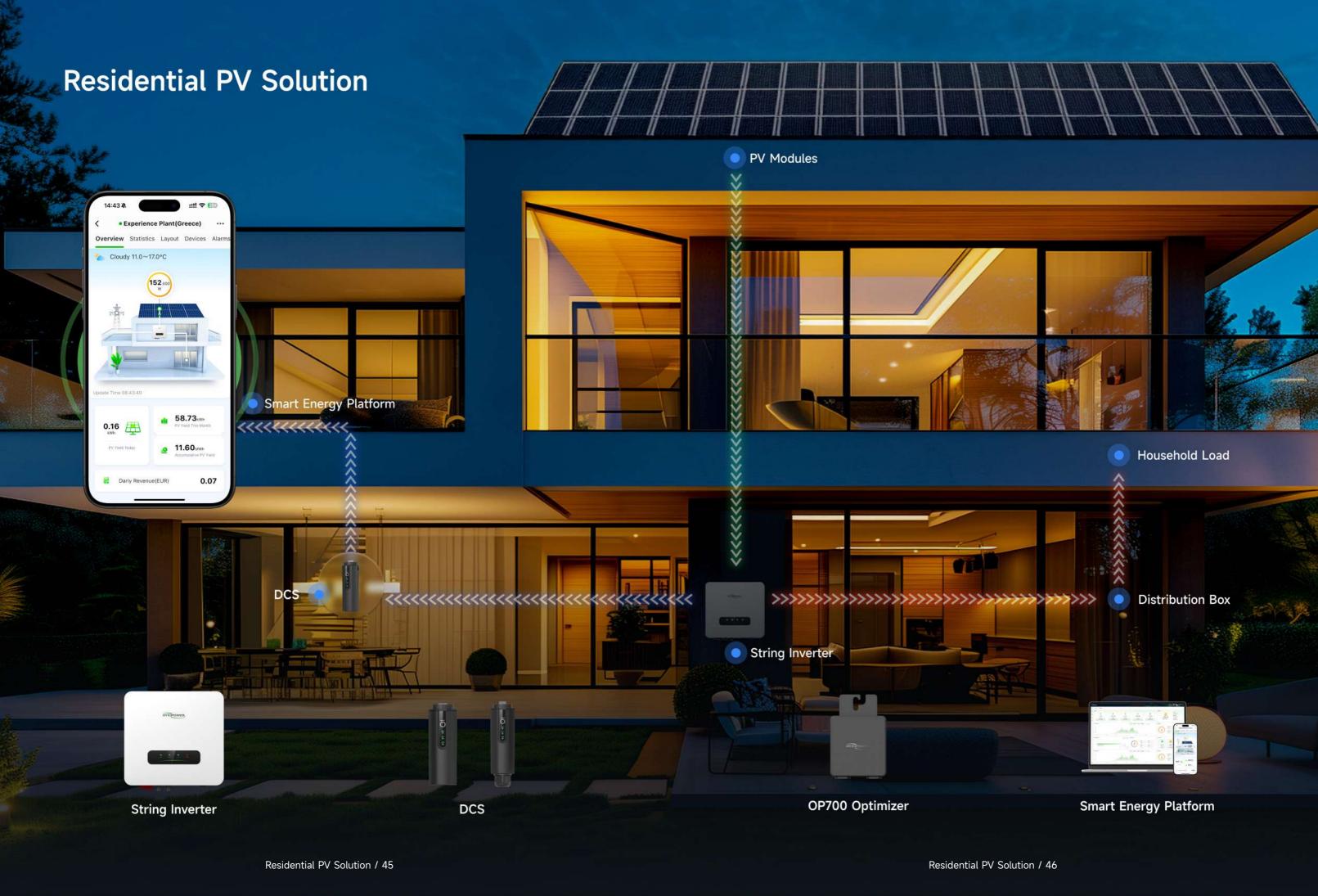
User-Friendly

- · One-click power station configuration
- · Visualized data and information interface



Intelligent O&M

· IV curve smart diagnosis



STRING INVERTER HYX-S2K/3K/3K3/3K6/ 4K/4K6/5K/6K-S1



Reliable

- · Type II surge protection
- · 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- IP66, suitable for harsh installation environment

Simple

- · Minimalist and stylish product design
- Three-step quick installation
- · Rapid APP configuration, efficient and convenient

Efficient

- 160% DC oversizing, wide MPPT voltage range
- 98.2% max. conversion efficiency
- 18A high current, compatible with major module types

Intelligent

- APP intelligent O&M, all-weather power station management
- · Visual display, energy gain and data updated in real time
- · Intelligent IV curve diagnosis, fast debugging

Product Model	HYX-S2K-S1	HYX-S3K-S1	HYX-S3K3-S1	HYX-S3K6-S1	HYX-S4K-S1	HYX-S4K6-S1	HYX-S5K-S1	HYX-S6K-S1
PV Input								
Max. Input Power	2,600W	3,900W	4,290W	4,680W	5,200W	5,980W	6,500W	7,800W
Max. Input Voltage	·	,	,	60)0V	,	,	
Rated Input Voltage		360V						
Start-up Voltage		100V						
MPPT Operating Voltage Range					560V			
MPPT Full Load Voltage Range					500V			
Max. Input Current Per MPPT					300V BA			
Max. Short-Circuit Current					5A			
Number of MPP Trackers				1	571		2	
Number of Input				1			2	
Max. Backfilling Current)A		2	
AC Output)A			
Rated Output Power	2.000\\	7 00014/	7 700\\	7 / 00\\	4.000\\	4 (00)4/	E 000M	/ 00014/
·	2,000W	3,000W	3,300W	3,600W	4,000W	4,600W	5,000W	6,000W
Max. Apparent Power ¹	2,000VA	3,000VA	3,300VA	3,600VA	4,000VA	4,600VA	5,000VA	6,000VA
Rated Output Voltage					220V / 230V /	Z4UV		
Rated AC Grid Frequency					50 / 60Hz			
Rated Output Current	9.0A/220V 8.6A/230V 8.3A/240V	13.6A/220V 13.0A/230V 12.5A/240V	15.0A/220V 14.3A/230V 13.7A/240V	16.3A/220V 15.6A/230V 15.0A/240V	18.1A/220V 17.3A/230V 16.6A/240V	20.9A/220V 20.0A/230V 19.1A/240V	22.7A/220V 21.7A/230V 20.8A/240V	27.2A/220V 26.0A/230V 25.0A/240V
Max. Output Current	9.0A/220V 8.6A/230V 8.3A/240V	13.6A/220V 13.0A/230V 12.5A/240V	15.0A/220V 14.3A/230V 13.7A/240V	16.3A/220V 15.6A/230V 15.0A/240V	18.1A/220V 17.3A/230V 16.6A/240V	20.9A/220V 20.0A/230V 19.1A/240V	22.7A/220V 21.7A/230V 20.8A/240V	27.2A/220V 26.0A/230V 25.0A/240V
Adjustable Power Factor	0.07.02.00	12107 11 2 10 7	1017112101		ding0.8 laggii		2010/112101	20107.02.107
THDi				U.O lead	< 3%	ig		
Efficiency					\ 3/0			
Max. Efficiency			07	.7%			98.2%	
European Weighted Efficiency				2%			97.6%	
MPPT Efficiency			97.	.2/0	0000/		97.070	
,					99.9%			
Protection				0 15		01:0		
Active Anti-islanding Protection		General Electric Frequency Shift						
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				-3	0 to +60°C (De	erating from 45°	C)	
Relative Operating Humidity				0	- 100 %RH			
Operating Altitude		4,000m						
Cooling		Natural Cooling						
Display		LED+App						
Communication					85 / 4G / WIFI			
Weight					11.6kg			
Dimensions (W*H*D)				340)*360*136mm			
Topology					on-Isolated			
				TV				
Degree of Profession		IP66						
		PV II / AC III						
Degree of Protection Overvoltage Level Protection Class				Р	V II / AC III			
				Р	V II / AC III I <1W			

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V1.0-202410 (draft version)

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Version 1.2-202412

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



Safe & Reliable

- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 160% PV oversizing for extended output
- 20A design, ideal for high-power modules
- 98.3% efficiency with wide MPPT range

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Scenario-based app with real-time energy monitoring

HYX-S7K/8K/9K/10K/12K-S **Technical Specifications**

Product 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		60	0V			
Nominal Input Voltage			0V			
Start-up Voltage			OV			
MPPT Operating Voltage Range			560V			
MPPT Full Load Voltage Range			500V			
Max. Input Current Per MPPT	20A	/ 20A		20A / 20A / 20A		
Max. Short-Circuit Current	24A	/ 24A		24A / 24A / 24A		
Number of MPPT		2		3		
Max. Input Number Per MPPT	1	/ 1		1/1/1		
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	7,700 171		220V / 230V / 240V	,230	,20077	
Nominal AC Grid Frequency			0 / 60Hz			
	31.8A / 220V	36.4A / 220V	40.9A / 220V	45.5A / 220V	54.5A / 220V	
Nominal Output Current	30.4A / 230V 29.2A / 240V	34.8A / 230V 33.3A / 240V	39.1A / 230V 37.5A / 240V	43.5A / 230V 41.7A / 240V	52.2A / 230V 50A / 240V	
Max. Output Current	35A / 220V 33.4A / 230V 32.1A / 240V	40A / 220V 38.3A / 230V 36.7A / 240V	45A / 220V 43A / 230V 41.3A / 240V	50A / 220V 47.9A / 230V 45.8A / 240V	60A / 220V 57.42A / 230V 55A / 240V	
Adjustable Power Factor		0.8 lead	ing0.8 lagging			
ГНDi			< 3%			
Efficiency						
Max. Efficiency			98.2%			
European Weighted Efficiency	97.6%					
MPPT Efficiency	99.9%					
Protection						
Active Anti-islanding Protection		General Elec	tric Frequency Shift			
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			
OC Surge Protection			Type II			
AC Surge Protection			Type II			
Ground Fault Detection	Yes					
AFCI		Yes				
General Data						
Operating Temperature Range		-30) to + 60°C			
Relative Operating Humidity	0 - 100 %RH					
Operating Altitude	4,000m					
Cooling			ural Cooling			
Display			.ED+App			
Communication			5 / 4G / WIFI			
Weight			23kg			
Dimensions (W*H*D)		522*4	416*162.5mm			
Topology			n-Isolated			
Degree of Protection			IP66			
Overvoltage Level		P\				
•		PV II / AC III				

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STRING INVERTER HYX-S8K/10K/12K-T



Safe & Reliable

- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 160% PV oversizing for extended output
- 18A design, ideal for high-power modules
- 98.5% efficiency with wide MPPT range

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- Scenario-based app with real-time energy monitoring

HYX-S8K/10K/12K-T **Technical Specifications**

Product Model	HYX-S8K-T	HYX-S10K-T	HYX-S12K-T	
PV Input				
Max. Input Power	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		
MPPT Full Load Voltage Range		330 - 850V		
Max. Input Current Per MPPT		18A		
Max. Short-Circuit Current		24A		
Number of MPPT		2		
Max. Input Number Per MPPT		1 / 1		
AC Output				
Nominal Output Power	8,000W	10,000W	12,000W	
Max. Apparent Power	8,800VA	11,000VA	13,200VA	
Nominal Output Voltage		3L / N / PE, 220 / 380V, 230 / 400V		
Nominal AC Grid Frequency		50 / 60Hz		
	12.2A / 380V	15.2A / 380V	18.2A / 380V	
Nominal Output Current	12.2A / 380V 11.5A / 400V	15.2A / 580V 14.4A / 400V	17.3A / 400V	
Max. Output Current	13.5A / 380V 12.7A / 400V	16.9A / 380V 15.8A / 400V	20.1A / 380V 19.1A / 400V	
Adjustable Power Factor		0.8 leading0.8 lagging		
THDi		< 3%		
Efficiency				
Max. Efficiency		98.5%		
European Weighted Efficiency	98.1%			
MPPT Efficiency	99.9%			
Protection				
Active Anti-islanding Protection		General Electric Frequency Shift		
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 to + 60°C		
Relative Operating Humidity		0 - 100 %RH		
Operating Altitude	0 - 100 %KH 4,000m			
Cooling	4,000m Natural Cooling			
Display	LED+App			
Communication	RS485 / 4G / WIFI			
Weight		21kg		
		522*416*162.5mm		
Dimensions (W.H.D)				
Dimensions (W*H*D) Topology		Non-Isolated		
Topology Degree of Protection		Non-Isolated IP66		

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Version 1.3-202412

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



Safe & Reliable

- IP66, 1400+ cumulative rigorous tests
- PV optimizers compatible, module-level shutdown
- Type II DC/AC surge protection, lightning-proof
- 300m AFCI detection with 0.5s rapid shutdown

Convenient & User-Friendly

- Compact and lightweight design, plug-and-play installation
- App-based quick setup
- Intelligent layout with rapid module-level visualization

Profitable & Efficient

- 160% PV oversizing for extended output
- 40A design, ideal for high-power modules
- 98.5% efficiency with wide MPPT range

Smart & Manageable

- Module-level monitoring for precise fault positioning
- Intelligent IV diagnostics for precise fault identification
- · Scenario-based app with real-time energy monitoring

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

Product Model	HYX-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T		
PV Input						
Max. Input Power	24,000W	27,200W	32,000W	40,000W		
Max. Input Voltage		1,10	OV			
Nominal Input Voltage		600				
Start-up Voltage		160)V			
MPPT Operating Voltage Range		140 - 1	,000V			
MPPT Full Load Voltage Range		315 -	850V			
Max. Input Current Per MPPT		40	A			
Max. Input Current Per String		20	A			
Max. Short-Circuit Current		50	A			
Number of MPPT		2	!			
Max. Input Number Per MPPT		2 /	2			
AC Output						
Nominal Output Power	15,000W	17,000W	20,000W	25,000W		
Max. Apparent Power	16,500VA	18,700VA	22,000VA	27,500VA		
Nominal Output Voltage		3L / N / PE, 220 /	****			
Nominal AC Grid Frequency		50 / 6				
	22.04 / 7001/	25.8A / 380V	30.4A / 380V	38.0A / 380V		
Nominal Output Current	22.8A / 380V 21.7A / 400V	25.8A / 380V 24.5A / 400V	30.4A / 380V 28.9A / 400V	36.1A / 400V		
Max. Output Current	25.2A / 380V 23.9A / 400V	28.6A / 380V 27.1A / 400V	33.6A / 380V 31.9A / 400V	42.0A / 380V 39.9A / 400V		
Adjustable Power Factor		0.8 leading	.0.8 lagging			
THDi		< 3	5%			
Efficiency						
Max. Efficiency		98.	5%			
European Weighted Efficiency		98.:				
MPPT Efficiency	99.9%					
Protection						
Active Anti-islanding Protection		General Electric	Frequency Shift			
Residual Current Monitoring		Ye				
DC Reverse Polarity Protection		Ye				
DC Switch		Ye				
AC Short-circuit Protection		Ye				
AC Overvoltage Protection		Ye				
AC Overcurrent Protection		Ye				
DC Surge Protection		Тур				
AC Surge Protection		Тур				
Ground Fault Detection						
AFCI	Yes Yes					
General Data						
Operating Temperature Range		-30 to -	+ 60°C			
Relative Operating Humidity		-30 to - 0 - 100				
Operating Altitude						
Cooling		4,000m Smart Air Cooling				
Display		LED+				
Communication Weight		RS485 / 4				
vveidili	27kg					
	519*426*192mm					
Dimensions (W*H*D)						
		Non-Isi	olated			



Utility PV and ESS Solution

Overview

HYXiPOWER Utility PV and ESS Solution incorporates advanced design to enhance output power and conversion efficiency, reducing switching losses and utilizing Al-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, Al thermal balance, and flameretardant features, while precision monitoring ensures early warning and fire response.

Highlight



Ultimate Safety



- Multi-layer electrical protection from cells to system
- Terminal temperature monitoring with overheat protection



Grid-Friendly

• Full power feed in grid at SCR<1.2 THDi <1% for improved power quality



Highly Profitable

- 75A design for higher output power
- Al dynamic MPPT, boosting power generation by 5%



Efficient Management

- Real-time monitoring with OTA for online maintenance
- Intelligent IV curve scanning with 99% fault detection accuracy

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HYX-H320K-HT **Technical Specifications**

STRING INVERTER HYX-S320K-HT



Highly Profitable

- 75A design for higher output power
- 14% less switching loss, 99.03% conversion efficiency
- Al dynamic MPPT, boosting power generation by 5%

Ultimately Reliable

- Terminal temperature monitoring with overheat protection
- Smart string disconnection, <25ms fast shutdown
- IP66, 1400+ cumulative rigorous tests

Grid-Friendly

- Full power feed in grid at SCR<1.2
- THDi <1% for improved power quality

Smart & Manageable

- Intelligent IV curve scanning with 99% fault detection accuracy
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-S320K-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	30 (Optional: 24)
AC Output	
Nominal Output Power	320kW
Max. Apparent Power	352kVA
Nominal Output Voltage Nominal AC Grid Frequency	3L / PE, 800V
Nominal AC Grid Frequency Nominal Output Current	50Hz / 60Hz 230.9A
Max. Output Current	
	254A
Adjustable Power Factor	>0.99 (0.8 leading0.8 lagging)
THDi	< 3%
Efficiency	
Max. Efficiency	≥99.03%
European Weighted Efficiency	≥98.8%
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
Smart String-level Disconnection	Yes
Smart Connector-level Detection	Yes
General Data	
Operating Temperature Range	-35 to + 60°C
Relative Operating Humidity	0 - 100 %RH
Operating Altitude	5,000m
Cooling	Smart Air Cooling
Display	LED / WLAN+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

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Technical Specifications

STRING INVERTER HYX-S333K-HT



Highly Profitable

- 75A design for higher output power
- 14% less switching loss, 99.03% conversion efficiency
- Al dynamic MPPT, boosting power generation by 5%

Ultimately Reliable

- Terminal temperature monitoring with overheat protection
- Smart string disconnection, <25ms fast shutdown
- IP66, 1400+ cumulative rigorous tests

Grid-Friendly

- Full power feed in grid at SCR<1.2
- THDi <1% for improved power quality

Smart & Manageable

- Intelligent IV curve scanning with 99% fault detection accuracy
- Real-time monitoring with OTA for online maintenance

Product Model	HYX-S333K-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	30 (Optional: 24)
AC Output	
Nominal Output Power	333kW
Max. Apparent Power	352kVA
Nominal AC Grid Fraguency	3L / PE, 800V
Nominal AC Grid Frequency	50Hz / 60Hz
Nominal Output Current	240.3A
Max. Output Current	254A
Adjustable Power Factor	>0.99 (0.8 leading0.8 lagging)
THDi	< 3%
Efficiency	
Max. Efficiency	≥99.03%
European Weighted Efficiency	≥98.8%
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
Smart String-level Disconnection	Yes
Smart Connector-level Detection	Yes
General Data	
Operating Temperature Range	-35 to + 60°C
Relative Operating Humidity	0 - 100 %RH
Operating Altitude	5,000m
Cooling	Smart Air Cooling
Display	LED / WLAN+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

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HYX-H350K-HT **Technical Specifications**

STRING INVERTER HYX-S350K-HT



Highly Profitable

- 75A design for higher output power
- 14% less switching loss, 99.03% conversion efficiency
- Al dynamic MPPT, boosting power generation by 5%

Ultimately Reliable

- Terminal temperature monitoring with overheat protection
- Smart string disconnection, <25ms fast shutdown
- IP66, 1400+ cumulative rigorous tests

Grid-Friendly

- Full power feed in grid at SCR<1.2
- THDi <3% for improved power quality

Smart & Manageable

- Intelligent IV curve scanning with 99% fault detection accuracy
- Real-time monitoring with OTA for online maintenance

Product Model	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 MPP Trackers	6
Max. Input Number Per MPP Tracker	30 (Optional: 24)
AC Output	·
Max. Output Power	352kW
Max. Apparent Power	352kV 352kVA
Nominal Output Voltage	3L / PE, 800V
Nominal AC Grid Frequency	50Hz / 60Hz
Nominal Output Current	230.9A
Max. Output Current	250.9A 254A
Adjustable Power Factor	>0.99 (0.8 leading0.8 lagging)
-	
THDi	< 3%
Efficiency	
Max. Efficiency	≥99.03%
European Weighted Efficiency	≥98.8%
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	Туре ІІ
AC Surge Protection	Туре ІІ
Ground Fault Detection	Yes
Smart String-level Disconnection	Yes
Smart Connector-level Detection	Yes
General Data	
Operating Temperature Range	-35 to + 60°C
Relative Operating Humidity	0 - 100 %RH
Operating Altitude	5,000m
Cooling	Smart Air Cooling
Display	LED / WLAN+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
	T V II / NO III

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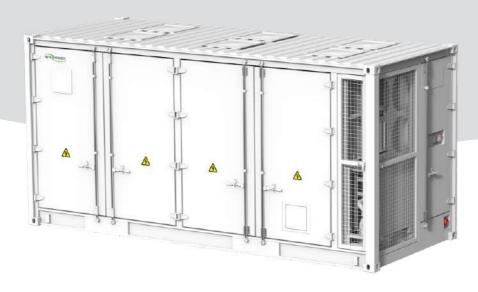
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HYX-EL3000/4000/5000P2-DC **Technical Specifications**

Product Model HYX-EL3000P2-DC HYX-EL4000P2-DC HYX-EL5000P2-DC **Battery Side** Cell Capacity Operating Voltage Range Nominal Capacity Supported Charge & Discharge Rate Protection Short-circuit Protection Over-temperature Protection Emergency Stop Protection General Data Max. Efficiency Operation Ambient Temperature Range Storage Temperature Noise Anti-corrosion Degree Weight Protection Degree Cooling Method Networking Mode

Proliminary

CONTAINER ESS HYX-EL3000/4000/ 5000P2-DC



Ultimate Safety

- Multi-layer electrical protection from cells to system
- Six-sided flame retardant, triple fire protection design
- · Precision monitoring system with early warning and fire response

Efficient Management

- System round-trip efficiency (RTE) ≥90%
- A+ grade cells with automotive-grade standards
- Energy-efficient iEMS with multi-site cloud management
- Al cells fault prediction for enhanced safety

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Utility PV & ESS Solution / 64

HYXI DCS HYX-DCS-4G HYX-DCS-WL



Convenient & User-Friendly

- Up to 10 inverters connection
- Plug-and-play

Stable & Reliable

- · Encrypted data transmission for security
- · Supporting data recovery, preventing data loss

Smart & Manageable

- 4G, Wi-Fi and Ethernet communication capability
- On/off-site software updates, parameter configuration, and fault analysis

Product Model	HYX-DCS-4G	HYX-DCS-WL
General Data	·	
Max. Inverters Supported		10
Data Acquisition Interval	5	mins
Connection Interface	l	JSB
Ethernet Interface	1	10M/100M Ethernet
Installation	Plug-a	and-play
Indicator	LEC)+App
Dimensions (W*H*D)	122*41*33mm	144*41*33mm
Weight	64g	68g
Degree of Protection	IF	266
Power Consumption	2W	1W
Input Voltage	5V	/ / 1A
Wireless Parameter		
Wireless	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS	WIFI:802.11b/g/n
Environment		
Operating Ambient Temperature	- 30 t	o +65°C
Relative Humidity Range	0 ~ 100%RH,	Non-condensing
Storage Temperature Range	-40 to	o +70°C

HYXIPOWER Smart Energy Platform



Ultimate Experience

- · One-click cloud setup for seamless operation
- · One-stop user view for more comprehensive data
- Scenario-oriented interface for precise information
- Multi-node, all-time-zone coverage for smoother access
- · All-in-one user terminal, no more app switching

Ultimate Safety

- Comprehensive monitoring and proactive risk alerts
- · Scalable cloud for stable millions of devices connectivity
- Robust IoT foundation to ensure cloud security

Efficient O&M

- Intelligent layout with rapid module-level visualization
- App/WEB sync, real-time control, multi-end operation
- Unified management, OTA updates, fast fault resolution
- Real-time data analysis for automated alerts

Comprehensive Intelligence

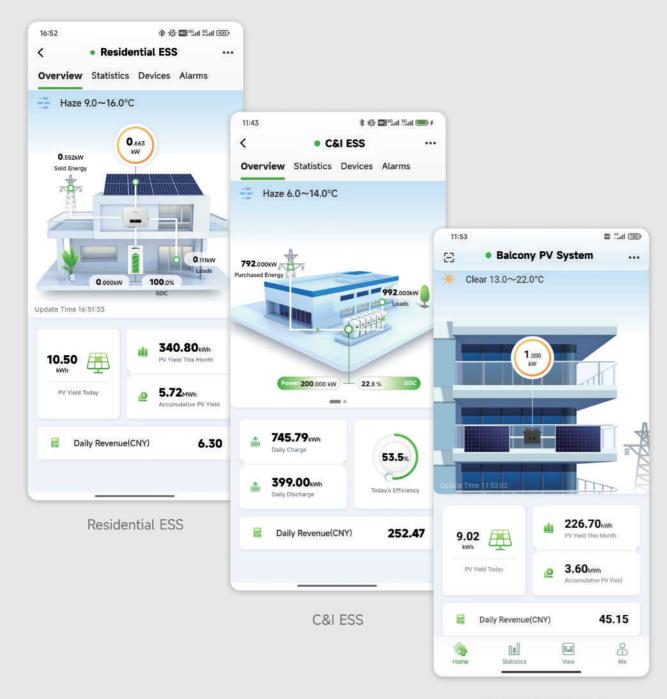
- 24/7 AI cells management for safety control
- One-click diagnostics for utility safety monitoring
- Intelligent IV diagnostics for precise fault positioning
- 24H intelligent TOU scheduling for maximum profit
- Power forecast for optimized energy scheduling
- · Industry-specific model with integrated interaction

Open Ecosystem

- OpenAPI for platform-level cloud connectivity
- Customizable SaaS solution, empowering ecosystem partners
- Multi-mode virtual PV plant access for fast integration
- · Multi-dimensional reports for efficient decision-making
- 24/7 intelligent sensing for 360° security
- Efficient smart control of heat pumps and generators

Scenario-Oriented Interface For Precise Information

Adapted for C&I ESS, Residential ESS, Balcony PV System, etc.



Balcony PV System

AR Visualization Screen:

From "Overall View" to "Single-Plant Cockpit", Key Data at a Glance



HYXiPOWER Energy Storage Monitoring Center



Energy Storage Cockpit

Projects and Cases

Residential Solution













Projects and Cases

Residential Solution

















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Projects and Cases
C&I PV and ESS Solution









