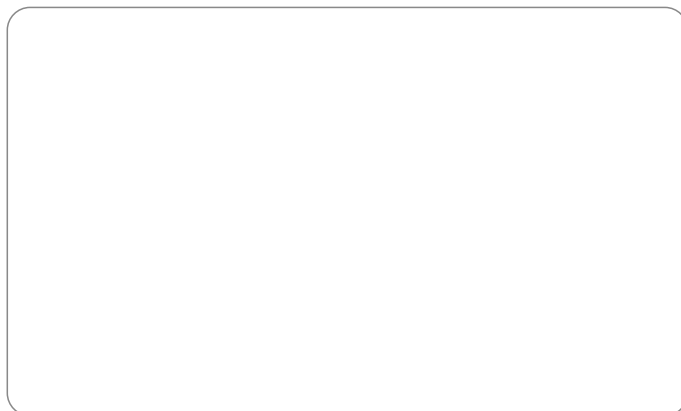




Zhejiang Hyxi Technology Co., Ltd.

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**Portfolio & Solution
Product Manual**



HYXIPOWER

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Zhejiang Hyxi Technology Co., Ltd.

Zhejiang Hyxi Technology Co., Ltd. (referred to as "HYXiPOWER") is headquartered in Hangzhou, Zhejiang Province in China. It is a high-tech renewable energy company that focuses on smart PV & ESS, integrates research & development, manufacturing, and sales. Its core products include photovoltaic inverters (microinverters, string inverters, and hybrid inverters), portable power station, residential and C&I energy storage systems, and the intelligent energy management systems, etc. HYXiPOWER is committed to providing customers with smart energy overall solutions for multiple scenarios including residential and commercial industries.

HYXiPOWER emphasis on R&D investment and innovation. The core team has more than 10 years of industry experience and has deep expertise in power electronics to pology, core algorithms, BMS, EMS, AI, and other fields. By integrating AI technology with green energy, the team aims to construct products and systems that are extremely safe, stable, reliable, efficient, and convenient. The company's collaborative laboratory has obtained the national CNAS accreditation and IEC CTF2 qualification. Its products have passed certification and testing by many authoritative international institutions, including TUV, CSA, BV, SGS, etc.

HYXiPOWER has a global sales and service network, covering Europe, North America, Latin America, Oceania, Asia Pacific, the Middle East, and Africa, the company is committed to provide fast, efficient, and high-quality services to global customers. In the future, HYXiPOWER will uphold the mission of " Serve global customers and enjoy green energy", adhere to the core values of " Quality, Innovation, Efficiency, Win-win", and promote the sustainable development of global clean energy to become a leading provider of smart energy solutions worldwide.

10⁺
Years
Industry Experience
of R&D

50⁺
Items
Core Technology Invention
Patent

70⁺
Percent
Core R&D Technical
Personnel

100⁺
Sales
Sales and service countries
and regions





Strict Quality Control

Quality Assurance

Professional Team

Internationalized professional team with dozens of well-known and outstanding designers.
Hundreds of industry experts, 50+ invention patents, 30+ independent research and development of project core technologies.



Ecological Construction

Select first-class brands for key components such as main control and power unit.



Test Specification

40+ Key performance testing, reliability testing, competitor benchmarking testing, etc.



First-class Production Line

A first-class production base and fully automated production line ensure quality control and stable supply.




Advanced Experiment


Complete and complete testing instruments, professional and complete experimental system.




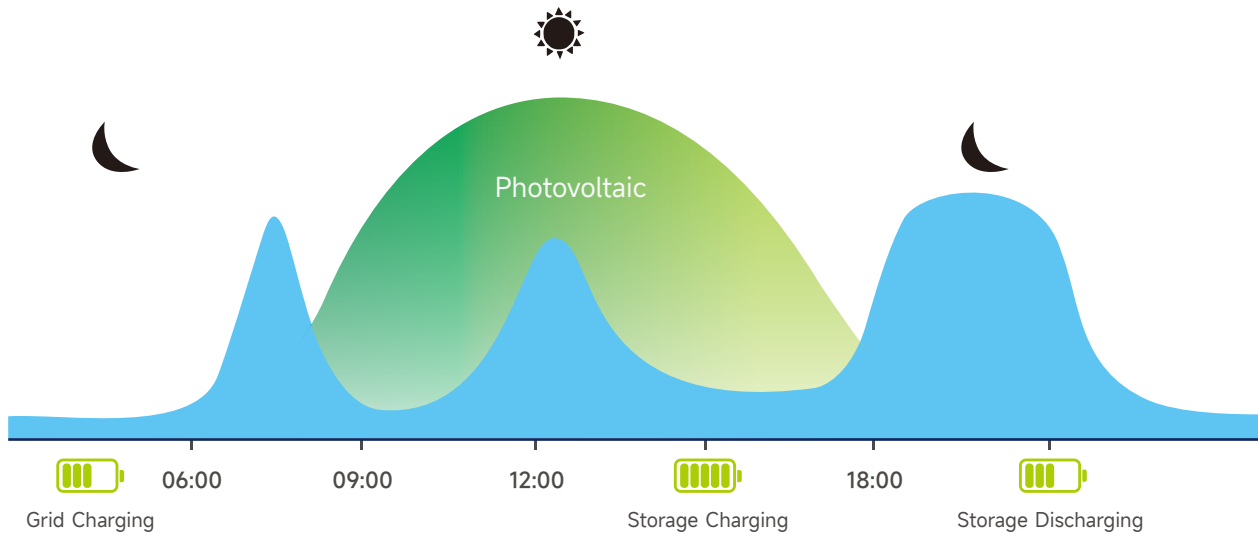
Residential Energy Storage Solution

Enjoy Green Life

 PV power generation covers daytime electricity consumption

 Energy storage power covers nighttime electricity consumption

 Ensure the normal operation of key household appliances during power outages



Technical Specifications



HYBRID INVERTER

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

Reliable

- Type II surge protection
- IP65, C4 salt spray design
- Support AFCI and RSD, ultimate peace of mind

Efficient

- 160% PV oversizing, 110% overlock output
- 80-490V wide battery voltage range, 35A fast charge/discharge
- 16A PV current wide adaptation

Simple

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

Intelligent

- Smart working logic
- Generator&heat pump control
- Mobile & PC platform management



Product Model	HYX-H3K-HS	HYX-H3K6-HS	HYX-H4K-HS	HYX-H4K6-HS	HYX-H5K-HS	HYX-H6K-HS	HYX-H8K-HS
PV Input							
Max. Array Power (W)	6,000	7,200	8,000	9,200	10,000	12,000	1,6000
Max. Input Power (W)	3,000 / 1,800	3,600 / 2,160	4,000 / 2,400	4,600 / 2,760	5,000 / 3,000	5,000 / 4,600	6,400 / 6,400
Max. Input Voltage (V)	600						
Start-up Voltage (V)	50						
Mppt Operating Voltage Range (V)	80 - 560						
Max. Input Current (A)	32 (16 / 16)						
Max. Short-circuit Current (A)	48 (24 / 24)						
Number of MPP Trackers	2						
Max. Input Number Per MPP Tracker	1 / 1						
AC Input / Output							
Nominal Power (W)	3,000	3,600	4,000	4,600	5,000	6,000	8,000
Max. Apparent Power (VA)	3,300	4,000	4,400	5,060	5,500	6,600	8,800
Nominal Current (A)	13.6	16.3	18.1	20.9	22.7	27.2	36.3
Max. Current (A)	15.0	18.0	20.0	23.0	25.0	30.0	40.0
Nominal Voltage (V)	1 / N / PE, 220 / 230 / 240						
AC Voltage Range (V)	154 - 276						
THDi	< 3%						
Frequency (Hz)	50 / 45-55; 60 / 55-65						
Adjustable Power Factor	0.8 leading...0.8 lagging						
DC Current Injection	< 0.5% In						
Back-Up(AC Output)							
Nominal Output Power (VA)	3,000	3,600	4,000	4,600	5,000	6,000	8,000
Max. Continues Output Apparent Power (VA)	3,300	4,000	4,400	5,060	5,500	6,600	8,800
Peak Output Power (W)	4,500; 10s	5,400; 10s	6,000; 10s	6,900; 10s	7,500; 10s	9,000; 10s	12,000; 10s
Max. Output Current (A)	15.0	18.0	20.0	23.0	25.0	30.0	36.3
Switch Time (ms)	< 10						
Battery							
Battery Type	LiFePO4						
Battery Voltage Range (V)	80 - 490						
Max. Charge/Discharge Current (A)	35						
Max. Charge/Discharge Power (W)	8,000						
Efficiency							
Max. Efficiency	98.60%						
European Weighted Efficiency	98.20%						
MPPT Efficiency	99.90%						
Battery Charge/ Discharge Efficiency	97.50%						
Protection							
DC Insulation Resistance Detection	Yes						
Residual Current Monitoring Unit	Yes						
DC Reverse Polarity Protection	Yes						
AC / DC Surge Arrester	Type II						
DC Switch	Yes						
Anti-islanding Protection	Yes						
AC Over Current Protection	Yes						
AC Short-circuit Protection	Yes						
AC Over Voltage Protection	Yes						
Grounded Fault Detection	Yes						
General Data							
Operating Temperature Range (°C)	-25 to + 60						
Relative Operating Humidity (RH)	0 - 100 %						
Max. Operating Altitude (m)	4,000						
Cooling	Natural Cooling						
Display	LED / App / Web						
Communication	CAN / RS485 / WIFI / 4G / LAN						
Weight (kg)	20						
Dimensions (W*H*D mm)	522*416*177.6						
Degree of Protection	IP65						
Mounting	Wall Mounted						

Technical Specifications



HYBRID INVERTER

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

Reliable

- Type II surge protection
- IP65,C4 salt spray design
- Support AFCI and RSD, ultimate peace of mind

Efficient

- 160% PV oversizing, 110% overlock output
- 150~600V wide battery voltage range, 35A fast charge/discharge
- 16A PV current wide adaptation

Simple

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

Intelligent

- Smart working logic
- Generator & heat pump control
- Mobile & PC platform management

Product Model	HYX-H5K-HT	HYX-H6K-HT	HYX-H8K-HT	HYX-H10K-HT	HYX-H12K-HT
PV Input					
Max. Array Power (W)	10,000	12,000	16,000	20,000	24,000
Max. Input Power (W)	5,000 / 3,000	6,000 / 4,000	6,400 / 6,400	6,400 / 4,800 / 4,800	6,400 / 6,400 / 6,400
Max. Input Voltage (V)	1,000				
Start-up Voltage (V)	180				
Mppt Operating Voltage Range (V)	140 - 980				
Max. Input Current (A)	36 (18 / 18)	36 (18 / 18)	36 (18 / 18)	54 (18 / 18*2)	54 (18 / 18*2)
Max. Short-circuit Current (A)	60 (30 / 30)	60 (30 / 30)	60 (30 / 30)	90 (30 / 30*2)	90 (30 / 30*2)
Number of MPP Trackers	2				
Max. Input Number Per MPP Tracker	1 / 1	1 / 1	1 / 1	1 / 2	1 / 2
AC Input / Output					
Nominal Output Power (W)	5,000	6,000	8,000	10,000	12,000
Max. Output Apparent Power (VA)	5,500	6,600	8,800	11,000	13,200
Max. Input Apparent Power (VA)	10,000	12,000	16,000	20,000	24,000
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	8.5	10.1	13.5	16.9	21.0
Max. Input Current (A)	15.2	18.2	24.3	30.4	36.4
Nominal Output Voltage (V)	3 / N / PE, 220 / 380, 230 / 400, 240 / 415				
THDi	< 3%				
Frequency (Hz)	45-55; 55-65				
Adjustable Power Factor	0.8 leading...0.8 lagging				
DC Current Injection	< 0.5% In				
Back-Up(AC Output)					
Nominal Output Power (VA)	5,000	6,000	8,000	10,000	12,000
Max. Continues Output Apparent Power (VA)	5,500	6,600	8,800	11,000	13,200
Peak Output Power (W)	7,500; 10s	9,000; 10s	12,000; 10s	15,000; 10s	18,000; 10s
Nominal Output Current (A)	7.6	9.1	12.2	15.2	18.2
Max. Output Current (A)	11.4	13.7	18.2	22.8	27.3
Switch Time (ms)	< 10				
Battery					
Battery Type	LiFePO4				
Battery Voltage Range (V)	150 - 600				
Max. Charge/Discharge Current (A)	40				
Max. Charge/Discharge Power (W)	5,500	6,600	8,800	11,000	13,200
Efficiency					
Max. Efficiency	98.60%				
European Weighted Efficiency	98.20%				
MPPT Efficiency	99.90%				
Battery Charge/ Discharge Efficiency	97.50%				
Protection					
DC Insulation Resistance Detection	Yes				
Residual Current Monitoring Unit	Yes				
DC Reverse Polarity Protection	Yes				
AC / DC Surge Arrester	Type II				
DC Switch	Yes				
Anti-islanding Protection	Yes				
AC Over Current Protection	Yes				
AC Short-circuit Protection	Yes				
AC Over Voltage Protection	Yes				
Grounded Fault Detection	Yes				
General Data					
Operating Temperature Range (°C)	-25 to + 60				
Relative Operating Humidity (RH)	0 - 100 %				
Max. Operating Altitude (m)	4,000				
Cooling	Natural Cooling				
Display	LED / App / Web				
Communication	CAN / RS485 / WIFI / 4G / LAN				
Weight (kg)	25				
Dimensions (W*H*D mm)	542*478*186				
Degree of Protection	IP65				
Mounting	Wall Mounted				

Technical Specifications



HYBRID INVERTER

HYX-H15K/20K/25K-HT

Reliable

- Type II surge protection
- IP65,C4 salt spray design
- Support AFCI and RSD, ultimate peace of mind

Efficient

- 160% PV oversizing, 110% overlock output
- 150~600V wide battery voltage range, 35A fast charge/discharge
- 16A PV current wide adaptation

Simple

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

Intelligent

- Smart working logic
- Generator & heat pump control
- Mobile & PC platform management



Product Model	HYX-H15K-HT	HYX-H20K-HT	HYX-H25K-HT
PV Input			
Max. Array Power (W)	30,000	40,000	50,000
Max. Input Power (W)	6,000 / 6,000 / 6,000 / 6,000	8,000 / 8,000 / 8,000 / 8,000	10,000 / 10,000 / 10,000 / 10,000
Max. Input Voltage (V)		1,100	
Start-up Voltage (V)		180	
Mppt Operating Voltage Range (V)		160 - 1000	
Max. Input Current (A)		80 (20*2 / 20*2)	
Max. Short-circuit Current (A)		120 (30*2 / 30*2)	
Number of MPP Trackers		2	
Max. Input Number Per MPP Tracker		2 / 2	
AC Input / Output			
Nominal Input / Output Apparent Power (VA)	31,500 / 15,000	42,000 / 20,000	52,500 / 25,000
Max. Input / Output Apparent Power (VA)	33,000 / 16,500	44,000 / 22,000	55,000 / 27,500
Nominal Input / Output Current (A)	47.8 / 22.8	63.7 / 30.4	79.5 / 37.9
Max. Input / Output Current (A)	50.0 / 25.0	66.7 / 33.4	83.4 / 41.7
Nominal Output Voltage (V)		3 / N / PE, 220 / 380, 230 / 400, 240 / 415	
THDi		< 3%	
Output Voltage Range (V)		304 - 476	
Frequency (Hz)		50 / 60	
Adjustable Power Factor		0.8 leading...0.8 lagging	
DC Current Injection		< 0.5% In	
Back-Up(AC Output)			
Nominal Output Power (W)	15,000	20,000	25,000
Max. Continues Output Apparent Power (VA)	16,500	22,000	27,500
Peak Output Power (W)	22,500; 10s	30,000; 10s	37,500; 10s
Nominal Output Current (A)	22.8	30.4	37.9
Max. Output Current (A)	34.1	45.5	56.9
Switch Time (ms)		< 10	
Battery			
Battery Type		LiFePO4	
Battery Voltage Range (V)		150 - 600	
Max. Charge/Discharge Current (A)		60	
Max. Charge Power (W)		27,500	
Max. Discharge Power (W)	15,000	20,000	25,000
Efficiency			
Max. Efficiency		98.60%	
European Weighted Efficiency		98.20%	
MPPT Efficiency		99.90%	
Battery Charge/ Discharge Efficiency		97.70%	
Protection			
DC Insulation Resistance Detection		Yes	
Residual Current Monitoring Unit		Yes	
DC Reverse Polarity Protection		Yes	
AC / DC Surge Arrester		Type II	
DC Switch		Yes	
Anti-islanding Protection		Yes	
AC Over Current Protection		Yes	
AC Short-circuit Protection		Yes	
AC Over Voltage Protection		Yes	
Grounded Fault Detection		Yes	
General Data			
Operating Temperature Range (°C)		-25 to + 60	
Relative Operating Humidity (RH)		0 - 100 %	
Max. Operating Altitude (m)		4,000	
Cooling	Natural Cooling	Natural Cooling	Fan Cooling
Display		LED / App / Web	
Communication		CAN / RS485 / PLC / WIFI / 4G / LAN	
Weight (kg)		45	
Dimensions (W*H*D mm)		650*500*250	
Degree of Protection		IP65	
Mounting		Wall Mounted	



HIGH VOLTAGE BATTERY

HYX-E50/100/150/200-H

Safety

- Automotive grade battery
- Smoke detectors to detect fire in advance
- Reliable IP65, C4 design to satisfy multi-scenario applications

Performance

- 35A max charge/discharge current
- LFP cell configuration, long cycle life (>6000)
- Optional heating module, wider application scenarios



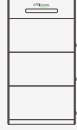
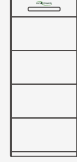
Simplicity

- Handle portable module, flat modular design, space-saving
- Flexible stacking, efficient installation, plug-and-play
- Multiple and flexible power options (5-20kWh compatibility)

Intelligent

- All in one platform monitoring
- Remote control and upgrade

Technical Specifications

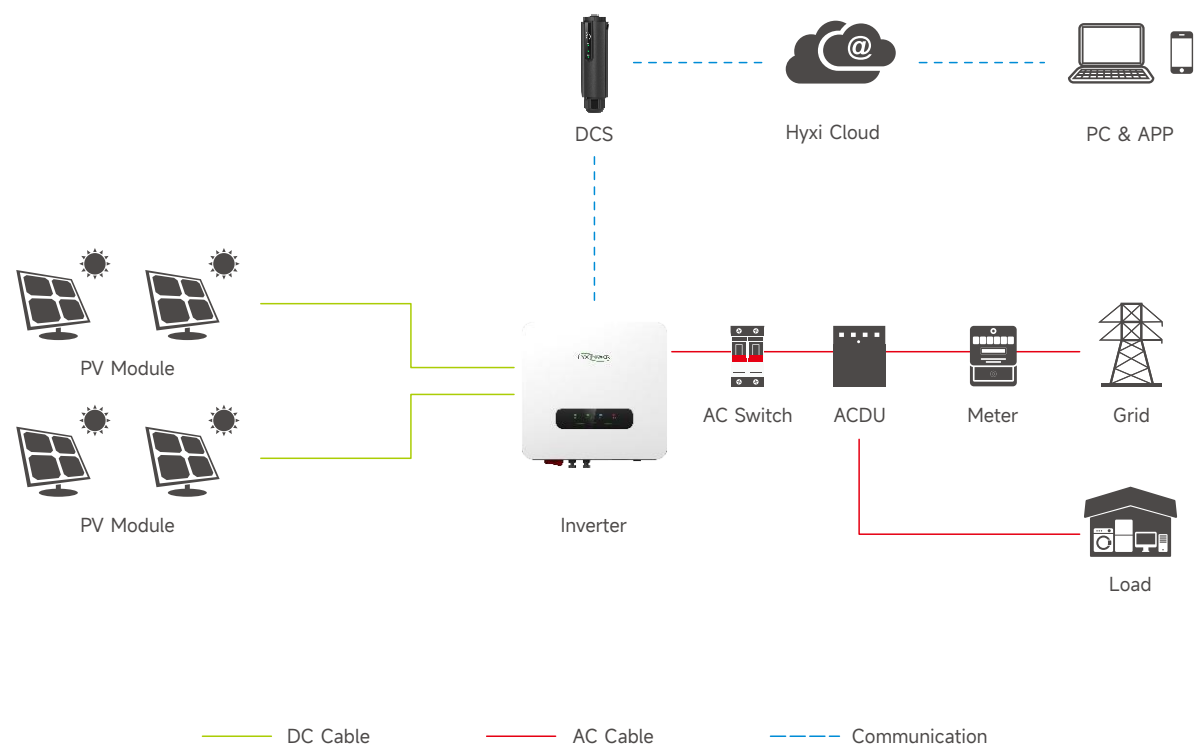
Battery System	HYX-E50-H	HYX-E100-H	HYX-E150-H	HYX-E200-H
Module Number	 1 Module	 2 Modules	 3 Modules	 4 Modules
Nominal Battery Energy (kWh)	5.3	10.6	15.9	21.2
Available Energy (kWh)	4.5	9.0	13.5	18.0
Nominal Voltage (V)	102.4	204.8	307.2	409.6
Working Voltage (V)	86.4 ~ 115.2	172.8 ~ 230.4	259.2 ~ 345.6	345.6 ~ 460.8
Nominal Output Power(kW)	3.0	6.0	9.0	12.0
Cell Type	LiFePO4			
Max. Charging/Discharging Current (A)	35			
SOC Indicator	4*LED (25%, 50%, 75%, 100%)			
State Indicator	2*LED (work, alarm)			
Communication	CAN, RS485			
Working Temperature (°C)	0 ~ 50 (heating version-20 ~ 50)			
Ingress Protection Rating	IP65			
Working Humidity (RH)	5 ~ 95%			
Working Altitude (m)	4,000			
Calendar Life	> 6,000 (70%EOL)			
Dimensions (W*H*D mm)	700*650*200	700*1000*200	700*1350*200	700*1700*200
Net Weight (kg)	65	115	165	215
Alarms	Over charge / Over discharge/Over current / Over temperature / Short Circuit			



Residential String PV Solution

Lower Electricity Bill

PV system generates power during daytime, and is used for self use. Surplus electricity connected to the grid to reduce residential electricity bills. PV system dose not generate power at night and use the power from grid to supply residential loads.



Solution Highlight

- High Efficiency >>**
 - 18A high current input
 - 98.2% high conversion efficiency
- Ultimate Safety >>**
 - Type II SPD
 - Higher protection standards
- Efficient & Convenient >>**
 - Support IV curve diagnosis
 - More efficient and convenient maintenance
- Intelligent Simple O&M >>**
 - Smart cloud platform
 - Real time monitoring of power generation status



Technical Specifications

STRING INVERTER

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

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

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

Simple

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

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-S3K-S	HYX-S3K6-S	HYX-S4K-S	HYX-S4K6-S	HYX-S5K-S	HYX-S6K-S
PV Input						
Max. Input Power (W)	4,800	5,760	6,400	7,360	8,000	9,600
Max. Input Voltage (V)	600					
Nominal Input Voltage (V)	360					
Start-up Voltage (V)	100					
MPPT Operating Voltage Range (V)	80 - 560					
Max. Input Current Per MPPT (A)	18 / 18					
MPPT Full Load Voltage Range (V)	200 - 500					
Max. Short-circuit Current (A)	24 / 24					
Number of MPP Trackers	2					
Max. Input Number Per MPP Tracker	1 / 1					
AC Output						
Nominal Output Power (W)	3,000	3,600	4,000	4,600	5,000	6,000
Max. Apparent Power (VA)	3,300	3,960	4,400	5,060	5,500	6,600
Nominal Output Voltage (V)	1 / N / PE, 220 / 230 / 240					
AC Voltage Range (V)	207 - 256					
Nominal AC Grid Frequency (Hz)	50 / 60					
Nominal Output Current (A)	13.6	16.4	18.2	20.9	22.7	27.3
Max. Output Current (A)	15.0	18.0	20.0	23.0	25.0	30.0
Adjustable Power Factor	0.8 leading...0.8 lagging					
Max. Total Harmonic Distortion	< 3%					
Efficiency						
Max. Efficiency	98.2%					
European Weighted Efficiency	97.6%					
MPPT Efficiency	99.9%					
Protection						
Anti-islanding Protection	Yes					
Insulation Monitoring	Yes					
Residual Current Monitoring	Yes					
DC Reverse Polarity Protection	Yes					
DC Switch	Yes					
AC Overfrequency/Underfrequency Protection	Yes					
AC Overcurrent Protection	Yes					
AC Short-circuit Protection	Yes					
AC Overvoltage Protection	Yes					
AFCI	Yes					
DC Surge Protection	Type II					
AC Surge Protection	Type II					
General Data						
Operating Temperature Range (°C)	-25 to + 60					
Relative Operating Humidity (RH)	0 ~ 100 %					
Operating Altitude (m)	4,000					
Cooling	Natural Cooling					
Display	LED indicator, WLAN / App					
Communication	RS485 / 4G / WIFI					
Weight (kg)	11.6					
Dimensions (W*H*D mm)	340*360*136					
Topology	Non-Isolated					
Degree of Protection	IP66					
Overvoltage Level	PV II / AC III					



Technical Specifications

STRING INVERTER

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

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

- 160% DC oversizing, wide MPPT voltage range
- 98.3% conversion efficiency
- 20A large current, compatible with major module types

Simple

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

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-S7K-S	HYX-S8K-S	HYX-S9K-S	HYX-S10K-S	HYX-S12K-S
PV Input					
Max. Input Power (W)	11,200	12,800	14,400	16,000	19,200
Max. Input Voltage (V)	600				
Nominal Input Voltage (V)	360				
Start-up Voltage (V)	90				
MPPT Operating Voltage Range (V)	80 - 560				
Max. Input Current Per MPPT (A)	20 / 20	20 / 20	20 / 20 / 20	20 / 20 / 20	20 / 20 / 20
Max. Short-circuit Current (A)	24 / 24	24 / 24	24 / 24 / 24	24 / 24 / 24	24 / 24 / 24
Number of MPP Trackers	2	2	3	3	3
Max. Input Number Per MPP Tracker	1 / 1	1 / 1	1 / 1 / 1	1 / 1 / 1	1 / 1 / 1
AC Output					
Nominal Output Power (W)	7,000	8,000	9,000	10,000	12,000
Max. Apparent Power (VA)	7,700	8,800	9,900	11,000	13,200
Nominal Output Voltage (V)	1 / N / PE, 220 / 230 / 240				
Nominal AC Grid Frequency (Hz)	50 / 60				
Nominal Output Current (A)	31.8	36.4	40.9	45.5	54.5
Max. Output Current (A)	35	40	45	50	60
Adjustable Power Factor	0.8 leading...0.8 lagging				
Max. Total Harmonic Distortion	< 3%				
Efficiency					
Max. Efficiency	98.3%				
European Weighted Efficiency	97.6%				
MPPT Efficiency	99.9%				
Protection					
Anti-islanding Protection	Yes				
Insulation Monitoring	Yes				
Residual Current Monitoring	Yes				
DC Reverse Polarity Protection	Yes				
DC Switch	Yes				
AC Overfrequency/Underfrequency Protection	Yes				
AC Overcurrent Protection	Yes				
AC Short-circuit Protection	Yes				
AC Overvoltage Protection	Yes				
AFCI	Yes				
DC Surge Protection	Type II				
AC Surge Protection	Type II				
General Data					
Operating Temperature Range (°C)	-25 to + 60				
Relative Operating Humidity (RH)	0 ~ 100 %				
Operating Altitude (m)	4,000				
Cooling	Natural Cooling				
Display	LED indicator, WLAN / App				
Communication	RS485 / 4G / WIFI				
Weight (kg)	17				
Dimensions (W*H*D mm)	522*416*177.6				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II / AC III				
Optimizer Model	HYX-OP700				

Technical Specifications



STRING INVERTER

HYX-S8K/10K/12K-T

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

- 160% DC oversizing, 98.5% conversion efficiency, wide MPPT voltage range
- Support PLC communication and adapt to optimizer
- 18A large current, compatible with major module types

Simple

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

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-S8K-T	HYX-S10K-T	HYX-S12K-T
PV Input			
Max. Input Power (W)	12,800	16,000	19,200
Max. Input Voltage (V)		1100	
Nominal Input Voltage (V)		600	
Start-up Voltage (V)		180	
MPPT Operating Voltage Range (V)		160 - 1000	
Max. Input Current Per MPPT (A)		18 / 18	
Max. Short-circuit Current (A)		24 / 24	
Number of MPP Trackers		2	
Max. Input Number Per MPP Tracker		1 / 1	
AC Output			
Nominal Output Power (W)	8,000	10,000	12,000
Max. Apparent Power (VA)	8,800	11,000	13,200
Nominal Output Voltage (V)		3L / N / PE, 220 / 380, 230 / 400	
Nominal AC Grid Frequency (Hz)		50 / 60	
Nominal Output Current (A)	12.2	15.2	18.2
Max. Output Current (A)	13.5	16.9	20.1
Adjustable Power Factor		0.8 leading...0.8 lagging	
Max. Total Harmonic Distortion		< 3%	
Efficiency			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.1%	
MPPT Efficiency		99.9%	
Protection			
Anti-islanding Protection		Yes	
Insulation Monitoring		Yes	
Residual Current Monitoring		Yes	
DC Reverse Polarity Protection		Yes	
DC Switch		Yes	
AC Overfrequency/Underfrequency Protection		Yes	
AC Overcurrent Protection		Yes	
AC Short-circuit Protection		Yes	
AC Overvoltage Protection		Yes	
AFCI		Yes	
DC Surge Protection		Type II	
AC Surge Protection		Type II	
General Data			
Operating Temperature Range (°C)		-25 to + 60	
Relative Operating Humidity (RH)		0 - 100 %	
Operating Altitude (m)		4,000	
Cooling		Natural Cooling	
Display		LED indicator, WLAN / App	
Communication		RS485 / 4G / WIFI	
Weight (kg)		17	
Dimensions (W*H*D mm)		522*416*177.6	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II / AC III	
Optimizer Model		HYX-OP700	

Technical Specifications



STRING INVERTER

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

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

- 160% DC oversizing, 98.5% conversion efficiency, wide MPPT voltage range
- Support PLC communication and adapt to optimizer
- 40A large current, compatible with major module types

Simple

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

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

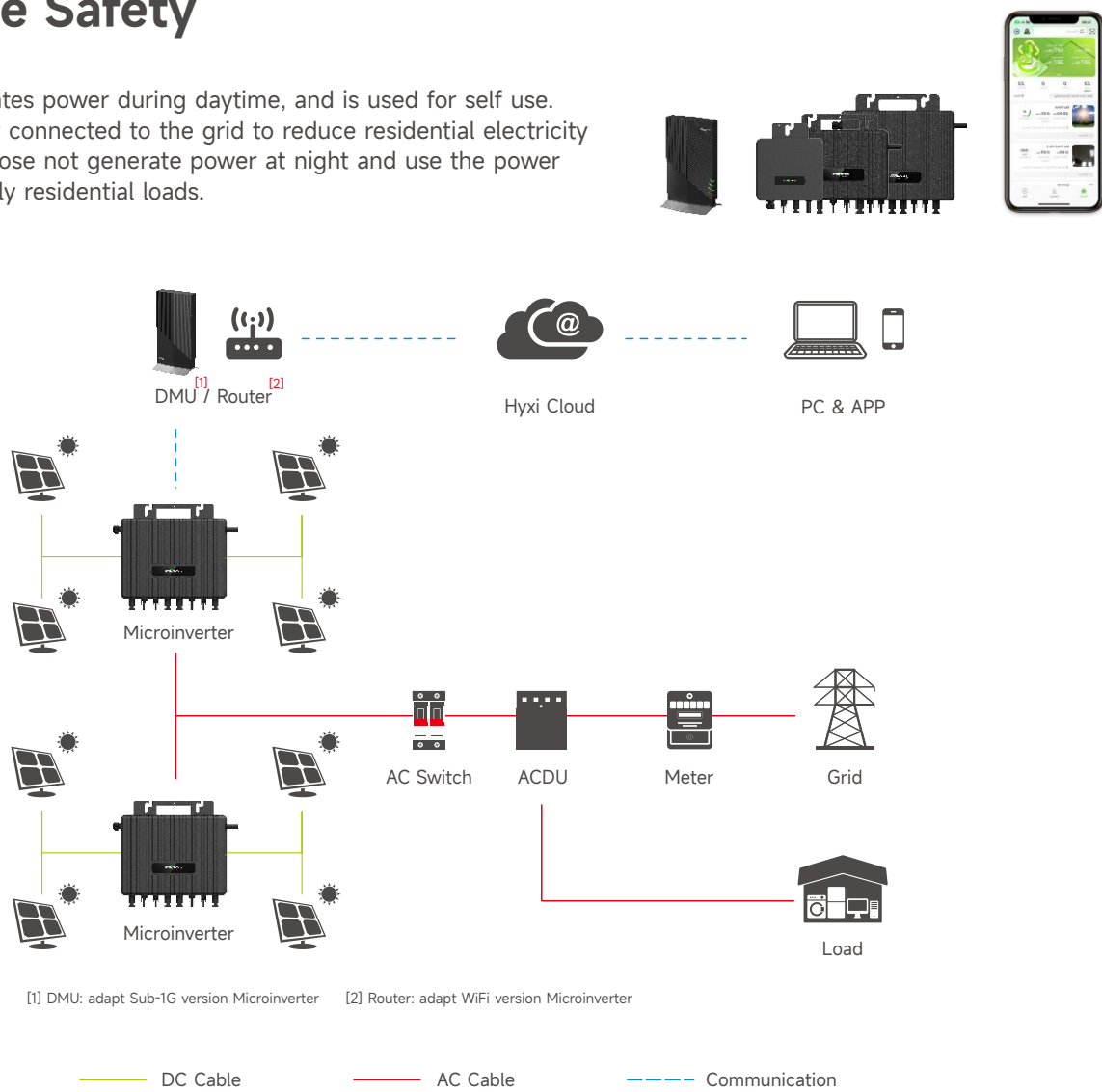
Product Model	HYX-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T
PV Input				
Max. Input Power (W)	24,000	27,200	32,000	40,000
Max. Input Voltage (V)			1100	
Nominal Input Voltage (V)			600	
Start-up Voltage (V)			180	
MPPT Operating Voltage Range (V)			160 - 1000	
Max. Input Current Per MPPT (A)			40	
Max. Input Current Per String (A)			20	
Max. Short-circuit Current (A)			50	
Number of MPP Trackers			2	
Max. Input Number Per MPP Tracker			2 / 2	
AC Output				
Nominal Output Power (W)	15,000	17,000	20,000	25,000
Max. Apparent Power (VA)	16,500	18,700	22,000	27,500
Nominal Output Voltage (V)			3L / N / PE, 220 / 380, 230 / 400	
Nominal AC Grid Frequency (Hz)			50 / 60	
Nominal Output Current (A)	22.8	25.8	30.4	38.0
Max. Output Current (A)	25.2	28.6	33.6	42.0
Adjustable Power Factor			0.8 leading...0.8 lagging	
Max. Total Harmonic Distortion			< 3%	
Efficiency				
Max. Efficiency			98.5%	
European Weighted Efficiency			98.2%	
MPPT Efficiency			99.9%	
Protection				
Anti-islanding Protection			Yes	
Insulation Monitoring			Yes	
Residual Current Monitoring			Yes	
DC Reverse Polarity Protection			Yes	
DC Switch			Yes	
AC Overfrequency/Underfrequency Protection			Yes	
AC Overcurrent Protection			Yes	
AC Short-circuit Protection			Yes	
AC Overvoltage Protection			Yes	
AFCI			Yes	
DC Surge Protection			Type II	
AC Surge Protection			Type II	
PID recovery			Optional	
General Data				
Operating Temperature Range (°C)			-25 to + 60	
Relative Operating Humidity (RH)			0 - 100 %	
Operating Altitude (m)			4,000	
Cooling			Smart Air Cooling	
Display			WLAN / App	
Communication			RS485 / 4G / WIFI	
Weight(kg)			21	
Dimensions (W*H*D mm)			510*405*205	
Topology			Non-Isolated	
Degree of Protection			IP66	
Overvoltage Level			PV II / AC III	
Optimizer Model			HYX-OP700	



Microinverter System Solution

Extreme Safety

PV system generates power during daytime, and is used for self use. Surplus electricity connected to the grid to reduce residential electricity bills. PV system dose not generate power at night and use the power from grid to supply residential loads.



Solution Highlight

- High Efficiency >>**
 - Module Level Monitoring
 - 96.5% conversion efficiency
- Safe & Reliable >>**
 - IP67 protection degree
 - -40 to +65°C ambient temperature
- Convenient installation >>**
 - Hook design
 - Easy to expand
- Intelligent Simple O&M >>**
 - Module level monitoring
 - Smart IV curve diagnosis

Technical Specifications



MICRO INVERTER

HYX-M300/400/500-S/SW

Reliable

- Low-voltage operation below 60V, it is safer to apply to roof power stations
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 500 VA
- 16A max. input current, compatible with 182/210 modules
- 20V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity

Simple

- Hook type design
- Easy expansion, plug-and-play

Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring.
- Remote software upgrade, parameter configuration, alarm fault analysis

Product Model	HYX-M300-S HYX-M300-SW	HYX-M400-S HYX-M400-SW	HYX-M500-S HYX-M500-SW
Input (DC)			
Typical Module Compatibility (W)	240 - 450+	320 - 600+	400 - 670+
Min./Max. MPPT Voltage (V)		16 - 60	
Max. Input Voltage (V)		65	
Start-up Input Voltage (V)		20	
Max. Input Current (A)		16	
Max. Short-circuit DC Input Current (A)		20	
Output (AC)			
Nominal Output Power (VA)	300	400	500
Nominal Output Current (A)	1.36 / 1.30 / 1.25	1.82 / 1.74 / 1.67	2.27 / 2.17 / 2.08
Nominal Output Voltage (V)		220 / 230 / 240	
Adjustable Output Voltage Range (V)		183 - 276	
Nominal Frequency (Hz)		50 / 60	
Adjustable Output Frequency Range (Hz)		45 - 55, 55 - 65	
Power Factor (default / adjustable)		>0.99 / 0.8 leading...0.8 lagging	
THDi		< 3%	
Max. Units Per 10AWG Branch	29 / 30 / 32	21 / 22 / 23	17 / 18 / 19
Max. Units Per 12AWG Branch	22 / 23 / 24	16 / 17 / 17	13 / 13 / 14
Efficiency			
Peak Efficiency		96.70%	
Nominal MPPT Efficiency		99.80%	
Night-time Power Loss (mW)		< 30	
General Data			
Operating Ambient Temperature (°C)		- 40 to + 65	
Dimensions (W*H*D mm)		188*178*25	
Degree of Protection		IP67	
Cooling		Natural Cooling - No fans	
Weight (kg)		1.7	
Features			
Communication ¹		Sub-1G Built-in WiFi	
Type of Isolation		High frequency transformers, Galvanically isolated	
Warranty		12 years standard, 25 years optional	
Protection			
Input Reverse Connection Protection		Yes	
Output Overcurrent Protection		Yes	
Output Overvoltage Protection		Yes	
Anti-islanding Protection		Yes	
Output Short-circuit Protection		Yes	

1: Sub-1G: HYX-M300/400/500-S, Built-in WiFi: HYX-M300/400/500-SW



Technical Specifications

MICRO INVERTER

HYX-M600/700/800/900/1000-S/SW

Reliable

- Low-voltage operation below 60V, it is safer to apply to roof power stations
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 1000 VA
- 16A max. input current, compatible with 182/210 modules
- 20V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity

Simple

- Hook type design
- Easy expansion, plug-and-play

Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring.
- Remote software upgrade, parameter configuration, alarm fault analysis

Product Model	HYX-M600-S HYX-M600-SW	HYX-M700-S HYX-M700-SW	HYX-M800-S HYX-M800-SW	HYX-M900-S HYX-M900-SW	HYX-M1000-S HYX-M1000-SW
Input (DC)					
Typical Module Compatibility (W)	240 - 450+	280 - 525+	320 - 600+	360 - 670+	400 - 670+
Min./Max. MPPT Voltage (V)	16 - 60				
Max. Input Voltage (V)	65				
Start-up Input Voltage (V)	20				
Max. Input Current (A)	2*16				
Max. Short-circuit DC Input Current (A)	2*20				
Output (AC)					
Nominal Output Power (VA)	600	700	800	900	1000
Nominal Output Current (A)	2.73 / 2.61 / 2.5	3.18 / 3.04 / 2.92	3.64 / 3.48 / 3.33	4.09 / 3.91 / 3.75	4.55 / 4.35 / 4.17
Nominal Output Voltage (V)	220 / 230 / 240				
Adjustable Output Voltage Range (V)	183 - 276				
Nominal Frequency (Hz)	50 / 60				
Adjustable Output Frequency Range (Hz)	45 - 55, 55 - 65				
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging				
THDi	< 3%				
Max. Units Per 10AWG Branch	14 / 15 / 16	12 / 13 / 13	10 / 11 / 12	9 / 10 / 10	8 / 9 / 9
Max. Units Per 12AWG Branch	10 / 11 / 12	9 / 9 / 10	8 / 8 / 9	7 / 7 / 8	6 / 6 / 7
Efficiency					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss (mW)	< 30				
General Data					
Operating Ambient Temperature (°C)	- 40 to + 65				
Dimensions (W*H*D mm)	252*180*35				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight (kg)	3				
Features					
Communication ¹	Sub-1G Built-in WiFi				
Type of Isolation	High frequency transformers, Galvanically isolated				
Warranty	12 years standard, 25 years optional				
Protection					
Input Reverse Connection Protection	Yes				
Output Overcurrent Protection	Yes				
Output Overvoltage Protection	Yes				
Anti-islanding Protection	Yes				
Output Short-circuit Protection	Yes				

1: Sub-1G: HYX-M600/700/800/900/1000-S, Built-in WiFi: HYX-M600/700/800/900/1000-SW

Technical Specifications



MICRO INVERTER

HYX-M1600/1800/2000-S/SW

Reliable

- Low-voltage operation below 60V, it is safer to apply to roof power stations
- Built-in relay for physical disconnection
- IP67 degree of protection, adaptable to diverse scenarios

Efficient

- Module-level MPPT, output power up to 2000 VA
- 16A max. input current, compatible with 182/210 modules
- 20V start-up voltage, earlier start & later stop
- 150% DC oversizing, minimizing the cost of electricity

Simple

- Hook type design
- Easy expansion, plug-and-play

Intelligent

- Support Sub-1G & WiFi communication
- Module-level monitoring
- Remote software upgrade, parameter configuration, alarm fault analysis



Product Model	HYX-M1600-S HYX-M1600-SW	HYX-M1800-S HYX-M1800-SW	HYX-M2000-S HYX-M2000-SW
Input (DC)			
Typical Module Compatibility (W)	320 - 600+	360 - 670+	400 - 670+
Min./Max. MPPT Voltage (V)	16 - 60		
Max. Input Voltage (V)	65		
Start-up Input Voltage (V)	20		
Max. Input Current (A)	4*16		
Max. Short-circuit DC Input Current (A)	4*20		
Output (AC)			
Nominal Output Power (VA)	1600	1800	2000
Nominal Output Current (A)	7.27 / 6.96 / 6.67	8.18 / 7.83 / 7.50	9.09 / 8.70 / 8.33
Nominal Output Voltage (V)	220 / 230 / 240		
Adjustable Output Voltage Range (V)	183 - 276		
Nominal Frequency (Hz)	50 / 60		
Adjustable Output Frequency Range (Hz)	45 - 55, 55 - 65		
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging		
THDi	< 3%		
Max. Units Per 10AWG Branch	5 / 5 / 5	4 / 5 / 5	4 / 4 / 4
Max. Units Per 12AWG Branch	4 / 4 / 4	3 / 3 / 4	3 / 3 / 3
Efficiency			
Peak Efficiency	96.70%		
Nominal MPPT Efficiency	99.80%		
Night-time Power Loss (mW)	< 30		
General Data			
Operating Ambient Temperature (°C)	- 40 to + 65		
Dimensions (W*H*D mm)	310*236*35.5		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight (kg)	5		
Features			
Communication ¹	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
Protection			
Input Reverse Connection Protection	Yes		
Output Overcurrent Protection	Yes		
Output Overvoltage Protection	Yes		
Anti-islanding Protection	Yes		
Output Short-circuit Protection	Yes		

1: Sub-1G: HYX-M1600/1800/2000-S, Built-in WiFi: HYX-M1600/1800/2000-SW

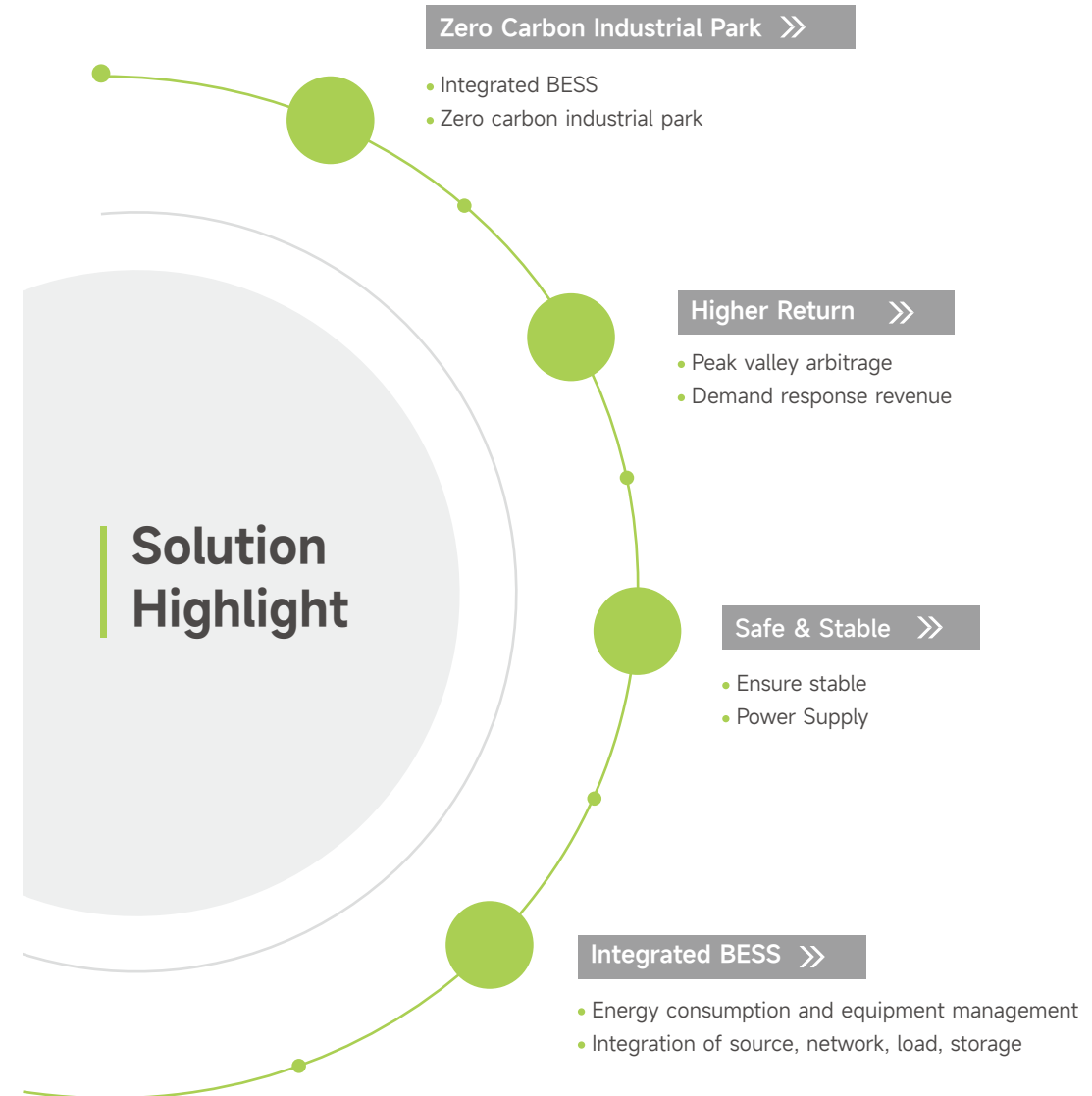
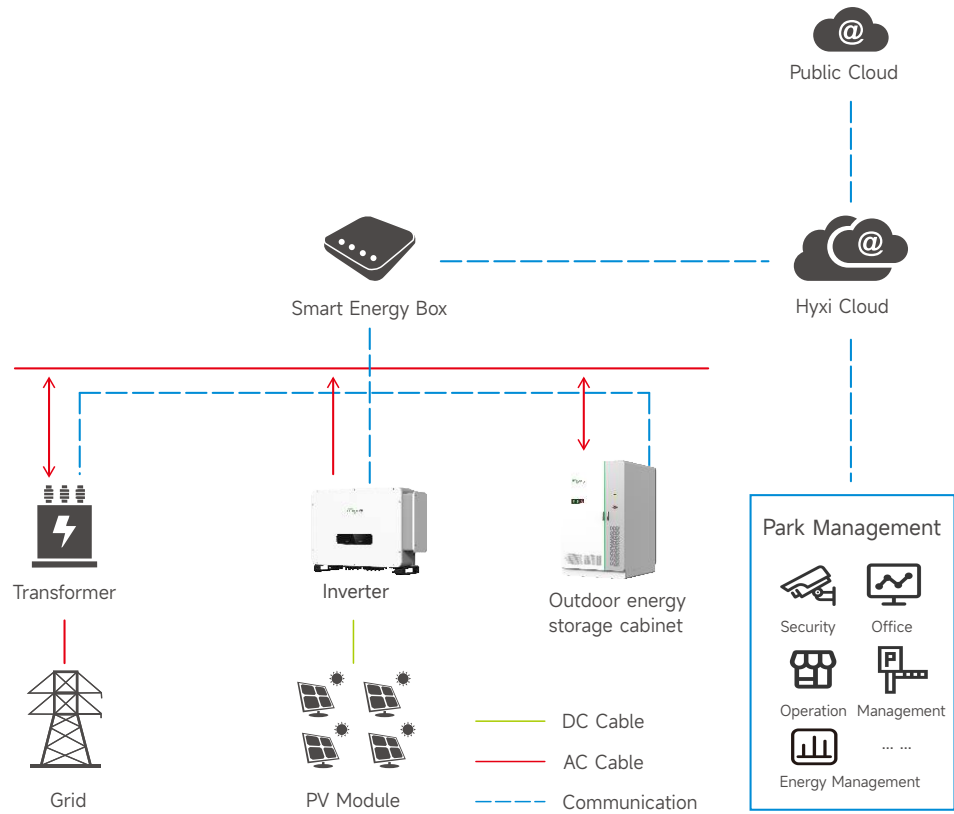


C&I PV, ESS Solution

More Yields and Easier O&M

During the day, the PV power generation is self-consumed, store the excess power in the energy storage cabinet, Storage cabinet/grid provides power at night to achieve peak shaving and save electricity.

It is suitable for regions with large peak and valley price difference for PV, ESS scenarios such as Manufacturing firm, campus, school, etc.



Technical Specifications



STRING INVERTER

HYX-S30K/33K/36K/40K/50K-T

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

- Built in PID recovery to reduce power generation loss
- Support PLC communication and adapt to optimizer
- 40A large current, compatible with major module types

Simple

- Support PLC communication
- Quick installation
- Rapid APP configuration, efficient and convenient

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-S30K-T	HYX-S33K-T	HYX-S36K-T	HYX-S40K-T	HYX-S50K-T
PV Input					
Max. Input Power (W)	48,000	52,800	57,600	64,000	80,000
Max. Input Voltage (V)	1100				
Nominal Input Voltage (V)	600				
Start-up Voltage (V)	180				
MPPT Operating Voltage Range (V)	160 - 1000				
Max. Input Current Per MPPT (A)	40				
Max. Input Current Per String (A)	20				
Max. Short-circuit Current (A)	50				
Number of MPP Trackers	3	3	3	4	4
Max. Input Number Per MPP Tracker	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2	2 / 2 / 2 / 2	2 / 2 / 2 / 2
AC Output					
Nominal Output Power (W)	30,000	33,000	36,000	40,000	50,000
Max. Apparent Power (VA)	33,300	36,300	39,600	44,000	55,000
Nominal Output Voltage (V)	3L / N / PE, 220 / 380, 230 / 400				
Nominal AC Grid Frequency (Hz)	50 / 60				
Nominal Output Current (A)	45.6	50.2	54.7	60.8	76.0
Max. Output Current (A)	50.2	55.2	60.2	66.9	83.6
Adjustable Power Factor	0.8 leading...0.8 lagging				
Max. Total Harmonic Distortion	< 3%				
Efficiency					
Max. Efficiency	98.6%				
European Weighted Efficiency	98.1%				
MPPT Efficiency	99.9%				
Protection					
Anti-islanding Protection	Yes				
Insulation Monitoring	Yes				
Residual Current Monitoring	Yes				
DC Reverse Polarity Protection	Yes				
DC Switch	Yes				
AC Overfrequency/Underfrequency Protection	Yes				
AC Overcurrent Protection	Yes				
AC Short-circuit Protection	Yes				
AC Overvoltage Protection	Yes				
AFCI	Yes				
DC Surge Protection	Type II				
AC Surge Protection	Type II				
PID recovery	Optional				
General Data					
Operating Temperature Range (°C)	-30 to + 60				
Relative Operating Humidity (RH)	0 ~ 100 %				
Operating Altitude (m)	4,000				
Cooling	Smart Air Cooling				
Display	LED indicator, WLAN / App				
Communication	RS485 / 4G / WIFI / HPLC				
Weight (kg)	48				
Dimensions (W*H*D mm)	615*460*255				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II / AC III				
Optimizer Model	HYX-OP700				

Technical Specifications



STRING INVERTER

HYX-S100/110/120K-T

Reliable

- Type II surge protection
- 200m detection distance of AFCI, shutdown within 0.5 second at fastest
- Ip66, suitable for harsh installation environment

Efficient

- Built in PID recovery to reduce power generation loss
- Support PLC communication and reduce the difficulty of construction
- 40A large current, compatible with major module types

Simple

- Support PLC communication
- Quick installation
- Rapid APP configuration, efficient and convenient

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-S100K-T	HYX-S110K-T	HYX-S120K-T
PV Input			
Max. Input Voltage (V)		1,100	
Nominal Input Voltage (V)		600	
Start-up Voltage (V)		200	
MPPT Operating Voltage Range (V)		180 - 1000	
Max. Input Current Per MPPT (A)		40	
Max. Input Current Per String (A)		20	
Max. Short-circuit Current (A)		50	
Number of MPP Trackers		10	
Number of PV Strings		20	
AC Output			
Nominal Output Power (W)	100,000	110,000	120,000
Max. Apparent Power (VA)	111,000	121,000	132,000
Nominal Output Voltage (V)		220 / 380, 230 / 400, 3L / N / PE	
Nominal AC Grid Frequency (Hz)		50 / 60	
Nominal Output Current (A)	151.9 (380V), 144.3 (400V)	167.2 (380V), 158.8 (400V)	182.3 (380V), 173.2 (400V)
Max. Output Current (A)	167.2 (380V), 158.8 (400V)	185.7 (380V), 176.4 (400V)	200.5 (380V), 190.5 (400V)
Adjustable Power Factor		0.8 leading...0.8 lagging	
Max. Total Harmonic Distortion		< 3%	
Efficiency			
Max. Efficiency		98.8%	
European Weighted Efficiency		98.4%	
MPPT Efficiency		99.9%	
Protection			
Anti-islanding Protection		Yes	
Insulation Monitoring		Yes	
Residual Current Monitoring		Yes	
DC Reverse Polarity Protection		Yes	
DC Switch		Yes	
AC Overfrequency/Underfrequency Protection		Yes	
AC Overcurrent Protection		Yes	
AC Short-circuit Protection		Yes	
AC Overvoltage Protection		Yes	
AFCI		Yes	
DC Surge Protection		Type II	
AC Surge Protection		Type II	
PID recovery		Optional	
General Data			
Operating Temperature Range (°C)		-25 to + 60	
Relative Operating Humidity (RH)		0 ~ 100 %	
Operating Altitude (m)		4,000	
Cooling		Smart Air Cooling	
Display		LED indicator, WLAN / App	
Communication		RS485 / 4G / WIFI / HPLC	
Weight (kg)		90	
Dimensions (W*H*D mm)		1022*700*220	
Topology		Non-Isolated	
Degree of Protection		IP66	
Overvoltage Level		PV II / AC III	

Technical Specifications



Outdoor Cabinet

HYX-EL232/261P2

High safety, long life

- With module-free high standard patented PACK technology to ensure the reliability of the whole life cycle of the battery
- Adopt mature equalization technology, passive equalization
- Intelligent liquid cooling system, the temperature difference between the battery cells is no more than 3°C

Modular design, intelligent and efficient

- Support multiple and parallel single outputs, easy power expansion for bidirectional energy storage converter unit and battery unit
- Support the parallel networking of multiple sets of equipment
- Built-in intelligent EMS system, comprehensive management and maintenance of the safety of the whole cabinet and data storage
- Integrated with AI monitoring and early warning function, monitoring the operating status of the system at all times, remote fault prediction and processing

Flexible and convenient

- Reduce construction period, on-site plug and play, flexible configuration, convenient installation

Product Model	HYX-EL232P2	HYX-EL261P2
AC Side		
Nominal AC Active Power (W)	100,000	125,000
Nominal AC Voltage (V)	380 / 400 (-15% - 15%)	
Nominal AC Grid Frequency (Hz)	50 / 60 (-2.5 ~ 2.5)	
AC Connection Method	3P+N+PE	
Max. Output Current (A)	158	212
Adjustable Power Factor Range	0.8 cap - 0.8 ind	
Max. Total Harmonic Distortion (THDi)	≤3% (Full Load)	
Efficiency Response Time (ms)	< 20	
Battery Side		
Cell Capacity (Ah)	280	314
Battery Configuration	1P260S	
Nominal Voltage (V)	832	
Operating Voltage Range (V)	728 - 936	
Nominal Capacity (kWh)	232.96	261.248
Supported Charge & Discharge Rate	≤ 0.5C	
Protection		
Overvoltage Protection	Yes	
Overcurrent Protection	Yes	
Short-circuit Protection	Yes	
Over-temperature Protection	Yes	
General Data		
Max. Efficiency	≥ 89%	
Operating Temperature Range (°C)	Charging: 0 ~ 45, Discharge: -20 ~ 55	
Operating Humidity Range (RH)	0 ~ 95%	
Noise (dB)	< 75	
Dimensions (W*H*D mm)	1400*2200*1400	
Weight (T)	2.6	
Protection Degree	IP54	
Cooling Method	Liquid Cooling	
Fire Protection Method	Perfluoro+Pack-level+Active Forewarning	
Max. Operating Altitude (m)	≤ 2,000	
Networking Mode	WiFi / LAN / 4G	
Display	Touch Screen	

Optional: DC module with MPPT function, STS with parallel and offline switching function

Technical Specifications



Outdoor Cabinet

HYX-EL372/400P2-DC

High safety, long life

- With module-free high standard patented PACK technology to ensure the reliability of the whole life cycle of the battery
- Adopt mature equalization technology, passive equalization
- Intelligent liquid cooling system, the temperature difference between the battery cells is no more than 3°C

Modular design, intelligent and efficient

- Support multiple and parallel single outputs, easy power expansion for bidirectional energy storage converter unit and battery unit
- Support the parallel networking of multiple sets of equipment
- Built-in intelligent EMS system, comprehensive management and maintenance of the safety of the whole cabinet and data storage
- Integrated with AI monitoring and early warning function, monitoring the operating status of the system at all times, remote fault prediction and processing

Flexible and convenient

- Reduce construction period, on-site plug and play, flexible configuration, convenient installation

Product Model	HYX-EL372P2-DC	HYX-EL400P2-DC
Battery Side		
Cell Capacity (Ah)	280	314
Battery Configuration	1P260S	
Nominal Voltage (V)	1331.2	
Operating Voltage Range (V)	1164.8 ~ 1497.6	
Nominal Capacity (kWh)	372.736	417.997
Supported Charge & Discharge Rate	≤ 0.5C	
Protection		
Overvoltage Protection	Yes	
Overcurrent Protection	Yes	
Short-circuit Protection	Yes	
Over-temperature Protection	Yes	
General Data		
Max. Efficiency	≥ 90%	
Operating Temperature Range (°C)	Charging: 0 ~ 45, Discharge: -20 ~ 55	
Operating Humidity Range (RH)	0 ~ 95%	
Noise (dB)	< 75	
Dimensions (W*H*D mm)	1420*2300*1350	
Weight (T)	3.2	3.5
Protection Degree	IP54	
Cooling Method	Liquid Cooling	
Fire Protection Method	Perfluoro+Pack-level+Active Forewarning	
Max. Operating Altitude (m)	≤ 2,000	
Networking Mode	LAN	

Technical Specifications

Product Model	HYX-EL3000P2-DC	HYX-EL4000P2-DC	HYX-EL5000P2-DC
Battery Side			
Cell Capacity (Ah)	280	280	314
Battery Configuration	10P416S	12P416S	12P416S
Nominal Voltage (V)		1331.2	
Operating Voltage Range (V)		1164.8 ~ 1497.6	
Nominal Capacity (kWh)	3727.36	4472.832	5015.96
Supported Charge & Discharge Rate		≤ 0.5C	
Protection			
Overvoltage Protection		Yes	
Overcurrent Protection		Yes	
Short-circuit Protection		Yes	
Over-temperature Protection		Yes	
General Data			
Max. Efficiency		≥ 90%	
Operating Temperature Range (°C)		Charging: 0 ~ 45, Discharge: -20 ~ 55	
Operating Humidity Range (RH)		0 ~ 95%	
Noise (dB)		< 75	
Dimensions (W*H*D mm)	3000*2896*6058	3000*2896*7000	3000*2896*7000
Weight (T)	32	42	52
Protection Degree		IP54	
Cooling Method		Liquid Cooling	
Fire Protection Method		Perfluoro+Pack-level+Active Forewarning	
Max. Operating Altitude (m)		≤ 2,000	
Networking Mode		LAN	

String ESS

HYX-EL3000/4000/5000P2-DC

High Safety

- Selected battery cell, UL, IEC, GB certificated
- Package-level fireproof, cabinet-level fireproof, multiple safety design
- Equipped with gas detector for early warning

More Intelligent

- Local configuration and remote control
- Real-time status information of each module
- System operation data sharing, intelligent terminal display

Long lifespan

- Industry-leading energy storage LFP special battery
- Higher energy density and smaller temperature differences
- Intelligent liquid-cooled system, lower power consumption

Easy O&M

- Modular design, convenient for installation and maintenance
- System self-diagnosis and self-repairing, remote O&M
- Remote monitoring and upgrade





PORTABLE POWER STATION

HYX-EA700/1000/2000/2500



Reliable

- Tab-less LFP battery, low internal resistance, non-explosive, non-flammable
- Active battery BMS life estimation algorithm, actively improve battery safety
- Self-reset slow charging, longer battery life, more stable charging process
- Low voltage Solar Charging, DC charge is safer



Efficient

- 1h 45min fast charging, control charging at any time
- Higher inverter efficiency at 93%, more environmental protection
- Higher energy density, smaller volume, easy to carry
- 120% AC overloading capacity

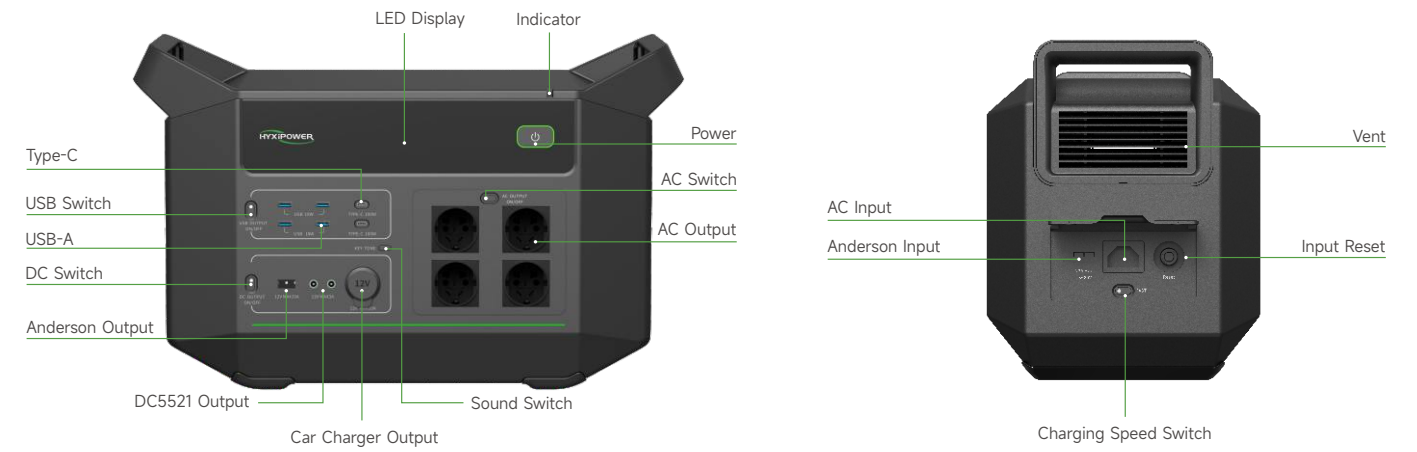


Intelligent

- Cell safety early warning system, life cycle detection technology
- Intelligent vehicle charging, automatically activation & deactivation



Technical Specifications



Product Model	HYX-EA700	HYX-EA1000	HYX-EA2000	HYX-EA2500
Appearance				
Cell Type	Lithium Iron Phosphate			
AC Input	500W Max.	800W Max.	1400W Max.	1400W Max.
Anderson Input (Panel Charger)	18 ~ 20V, ≤22A, 400W Max.		18 ~ 20V, ≤22A, 800W Max.	
Anderson Input (Car Charger)	13.2V / 8A			
AC Output Type	Pure Sine Wave			
Nominal Energy	665Wh	998Wh	1,872Wh	2,496Wh
Output Power	700W (1,100W Peak)	1,000W (1,800W Peak)	2,000W (3,300W Peak)	2,500W (4,500W Peak)
Fully Charge Time	1h 45min	1h 45min	2h	2h 30min
Car Outlet	13V/10A Max.			
DC Output	13V/3A Max.			
Anderson Output	13V/10A	13V/10A	13V/15A	13V/15A
USB 3.0	18W Max. 5V/3A 9V/2A 12V/1.5A			
Type-C	100W Max. 5V/9V/12V/15V 3A, 20V/5A			
Dimensions (W*H*D mm)	380*264*214mm		515*322*292mm	
Weight	10kg	12kg	22.5kg	25.5kg
Discharge Temperature Range	-10 to +45°C			
Cycle Life	4,000 cycles to 70% EOL			



Hyxi DCS

4G / WIFI+LAN

Easy Installation

Supports a maximum of 10 inverters
Plug-and-play

Safe and Reliable

Data transmission encryption to protect data security
Recovery data is supported to ensure no data loss

Intelligent O&M

Supports 4G, WIFI and Ethernet communication modes
Supports local and remote software upgrade, parameter configuration and alarm fault analysis

Hyxi
DCS



Product Model	HYX-DCS-4G	HYX-DCS-WL
General Data		
Max. Inverters Supported	10	10
Data Acquisition Interval	Default: 5 mins (1-15 mins Configurable)	
Connection Interface	USB	USB
Ethernet Interface	/	10M / 100M Ethernet
Installation	Plug-and-play	Plug-and-play
Indicator	LED	LED
Dimensions (W*H*D mm)	122*41*33	144*41*33
Weight(g)	64	68
Degree of Protection	IP66	IP66
Power Consumption (W)	2	1
Input Voltage	5V / 1A	5V / 1A
Wireless Parameter		
Wireless	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS	WIFI:802.11b/g/n
Environment		
Operating Ambient Temperature(°C)	- 30 to +65	
Relative Humidity Range(RH)	0 ~ 100%, Non-condensing	
Storage Temperature Range(°C)	-40 to +70	

Hyxi DMU

4G / WIFI

Easy to install

Plug-and-play, without additional wiring

Safe and reliable

Data transmission encryption ensuring data security
Local storage, breakpoints resuming upload without data loss supportable

Intelligent O&M

Ethernet, WiFi, 4G multiple communications supportable
Remote software upgrade, parameter configuration, alarm fault analysis supportable

Hyxi
DMU



Product Model	HYX-DMU-W	HYX-DMU-4G
Communication to Microinverter		
Signal	Sub-1G	Sub-1G
Monitoring Data Limit From Solar Panels	400	400
Communication to Hyxi Cloud		
Ethernet	RJ45×1, 100Mbps	RJ45×1, 100Mbps
Wireless	WIFI:802.11b/g/n	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS
Data Acquisition Interval	Default: 5 mins (1-15 mins Configurable)	
Power Supply (Adapter)		
Type	External adapter	
Adapter Input Voltage(V)/frequency(Hz)	100-240 AC / 50-60	
Adapter Output Voltage(V)/current(A)	12V / 1A	
Power Consumption(W)	1.5	2.5
General Data		
Operating Ambient Temperature(°C)	- 20 to +65	
Dimensions (W*H*D mm)	106*216*79 (with base)	
Weight (g)	320	
Cooling	Natural Cooling	
Degree of Protection	IP20	
Installation Method	Desktop mounting / Wall mounting	



Smart PV Optimizer

Efficient

Large power (700W), large current (25Isc), perfect match for bifacial, 182 & 210 large power modules

Reliable

Module-level shutdown to protect installers and firefighters

Simple

Clip-on quick installation

Intelligent

Module-level monitoring, efficient and accurate location of fault points



Product Model	HYX-OP700		
Input			
Nominal Input DC Power	700W	Max. Input Voltage	80V
MPPT Operating Voltage Range	10~80V	Max. Input Current	20A
Max. Efficiency	99.50%	Max. Short Circuit Current (Isc)	25A
Overvoltage Category	II	Weighted Efficiency	99.00%
Output			
Max. Output Voltage	80V	Max. Output Current	20A
Output Bypass	Yes	Safety Output Voltage	1V
Standard Compliance			
Safety	IEC62109-1	RoHS	Yes
Communication			
Communication Method	PLC (Two Way)		
General Data			
Dimensions (W*H*D)	80*128*25mm	Weight (including cables)	600g
Input Connector	Staubli MC4	Output Connector	Staubli MC4
Input Wire Length	0.15m	Output Wire Length	1.3m
Operating Temperature	-40 to +85 °C	Humidity Range	0~100 %RH
Degree of Protection	IP68	Max. Allowed System DC Voltage	1500V
Installation Method	· Mounting Structure Installation · PV Panel Frame Installation		



Hyxi Cloud

www.hyxicloud.com

- Real-time monitoring of the operation status of inverters, modules, and batteries
- Automatically calculate profits based on electricity generation
- Quick location of power plant faults
- Safe and reliable data, easy to operate

Product value

- Information Security** TLS encryption to protect communication security between devices & platforms
Obtaining three-level certification for network security level protection
- AI Smart Load** IV curve diagnosis, discrete rate analysis, and fast fault localization
Continuous training of smart scheduling algorithm prediction algorithm
- Simple Operation** Clear interface, visible benefits
Mobile power station management and convenient debugging
- Stable Platform** Dual machine hot backup, real-time disaster recovery backup of data
Load balancing, fast recovery from anomalies
- Global Deployment** Global multi node deployment for faster user access
- Refined Management** Module level monitoring, supporting custom report analysis
- Business Expansion** Cluster and distributed technology, supporting access to millions of devices
- Data Persistence** Long term preservation of customer data without loss

Application



Residential Energy Storage System

HYX-H3K/3K6/4K/4K6/5K/6K/8K-HS
 HYX-H5K/6K/8K/10K/12K-HT
 HYX-H10K/15K/25K-HT
 HYX-EA700/1000/2000/2500
 HYX-E50/100/150/200-H



Residential String PV System

HYX-S3K/3K6/4K/4K6/5K/6K-S
 HYX-S7K/8K/9K/10K/12K-S
 HYX-S8K/10K/12K-T
 HYX-S15K/17K/20K/25K-T



Microinverter System

HYX-M300/400/500-S/SW
 HYX-M600/700/800/900/1000-S/SW
 HYX-M1600/1800/2000-S/SW

C&I PV, ESS System

HYX-EL232/261P2
 HYX-EL372/400P2-DC
 HYX-EL3000/4000/5000P2-DC
 HYX-S30K/33K/36K/40K/50K-T
 HYX-S100K/110K/120K-T



Accessory

HYX-DCS-4G/WL
 HYX-OP700
 HYX-DMU-4G/W
 HYXI CLOUD

