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Portfolio & Solution Product Manual



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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 TÜV, 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



Making power management more Efficient, Safe and Intelligent



PV power generation covers daytime electricity consumption

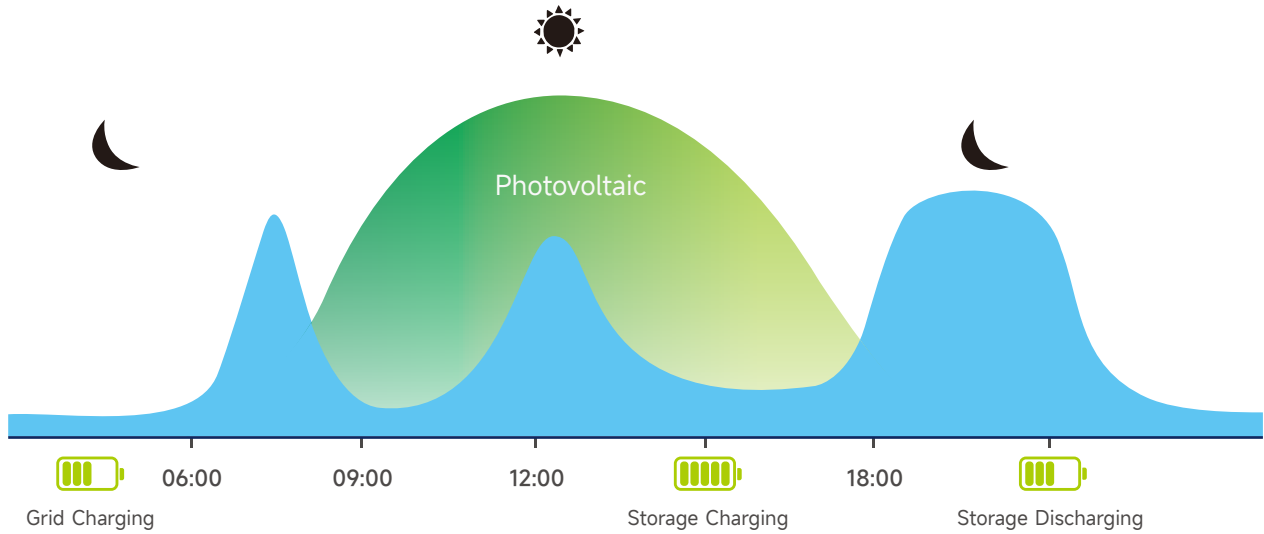


Energy storage power covers nighttime electricity consumption



Ensure the normal operation of key household appliances during power outages







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, 150% backup turbo 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	6,000W	7,200W	8,000W	9,200W	10,000W	12,000W	1,6000W
Max. Input Power	3,000W / 1,800W	3,600W / 2,160W	4,000W / 2,400W	4,600W / 2,760W	5,000W / 3,000W	5,000W / 4,600W	6,400W / 6,400W
Max. Input Voltage				600V			
Start-up Voltage				50V			
Mppt Operating Voltage Range				80 - 560V			
Max. Input Current				32A (16 / 16)			
Max. Short-circuit Current				48A (24 / 24)			
Number of MPP Trackers				2			
PV input number(Number of String Per MPPT)				2 (1 / 1)			
AC Input / Output							
Nominal Power	3,000W	3,600W	4,000W	4,600W	5,000W	6,000W	8,000W
Max. Apparent Power	3,300VA	4,000VA	4,400VA	5,060VA	5,500VA	6,600VA	8,800VA
Nominal Current	13.6A	16.3A	18.1A	20.9A	22.7A	27.2A	36.3A
Max. Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A	40.0A
Nominal Voltage				1 / N / PE, 220 / 230 / 240V			
AC Voltage Range				154 ~ 276V			
THDi				< 3%			
Frequency				50 / 45-55Hz; 60 / 55-65Hz			
Adjustable Power Factor				0.8 leading...0.8 lagging			
DC Current Injection				< 0.5% In			
Back-Up(AC Output)							
Nominal Output Power	3,000VA	3,600VA	4,000VA	4,600VA	5,000VA	6,000VA	8,000VA
Max. Continues Output Apparent Power	3,300VA	4,000VA	4,400VA	5,060VA	5,500VA	6,600VA	8,000VA
Peak Output Power	4,500W; 10s	5,400W; 10s	6,000W; 10s	6,900W; 10s	7,500W; 10s	9,000W; 10s	9600W; 10s
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A	36.3A
Switch Time				< 10ms			
Battery							
Battery Type				LiFePO4			
Battery Voltage Range				80 ~ 490V			
Max. Charge/Discharge Current				35A			
Max. Charge/Discharge Power				8,000W			
Efficiency							
Max. Efficiency				98.60%			
European Weighted Efficiency				98.20%			
MPPT Efficiency				99.90%			
Battery Charge/ Discharge Efficiency				97.50%			
Protection							
DC Insulation Resistance Detection				Yes			
Residual Current Monitoring				Yes			
DC Reverse Polarity Protection				Yes			
DC/AC Surge Protection				Type II			
DC Switch				Yes			
Anti-islanding Protection				Yes			
AC Over Current Protection				Yes			
AC Short-circuit Protection				Yes			
AC Over Voltage Protection				Yes			
Grounded Fault Detection				Yes			
General Data							
Operating Temperature Range				-25 to + 60°C			
Relative Operating Humidity				0 - 100 %RH			
Max. Operating Altitude				4,000m			
Cooling				Natural Cooling			
Display				LED / App / Web			
Communication				CAN / RS485 / WIFI / 4G / LAN			
Weight				20kg			
Dimensions (W*H*D)				522*416*177.6mm			
Degree of Protection				IP65			
Mounting				Wall Mounted			

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



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, 150% backup turbo output
- 150~600V wide battery voltage range, 60A fast charge/discharge
- 20A 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	30,000W	40,000W	50,000W
Max. Input Power	6,000W / 6,000W / 6,000W / 6,000W	8,000W / 8,000W / 8,000W / 8,000W	10,000W / 10,000W / 10,000W / 10,000W
Max. Input Voltage	1,100V		
Start-up Voltage	160V		
MPPT Operating Voltage Range	140 ~ 1,000V		
Max. Input Current	80A (20*2 / 20*2)		
Max. Short-circuit Current	120A (30*2 / 30*2)		
Number of MPP Trackers	2		
PV input number (Number of String Per MPPT)	4 (2 / 2)		
AC Input / Output			
Nominal Input / Output Apparent Power	31,500VA / 15,000VA	42,000VA / 20,000VA	52,500VA / 25,000VA
Max. Input / Output Apparent Power	33,000VA / 16,500VA	44,000VA / 22,000VA	55,000VA / 27,500VA
Nominal Input / Output Current	47.8A / 22.8A	63.7A / 30.4A	79.5A / 37.9A
Max. Input / Output Current	50.0A / 25.0A	66.7A / 33.4A	83.4A / 41.7A
Nominal Output Voltage	3 / N / PE, 220 / 380V, 230 / 400V, 240 / 415V		
THDi	< 3%		
Output Voltage Range	304 ~ 476V		
Frequency	50 / 60Hz		
Adjustable Power Factor	0.8 leading...0.8 lagging		
DC Current Injection	< 0.5% In		
Back-Up(AC Output)			
Nominal Output Power	15,000W	20,000W	25,000W
Max. Continues Output Apparent Power	16,500VA	22,000VA	27,500VA
Peak Output Power	22,500W; 10s	30,000W; 10s	30,000W; 10s
Nominal Output Current	22.8A	30.4A	37.9A
Max. Output Current	34.1A	45.5A	56.9A
Switch Time	< 10ms		
Battery			
Battery Type	LiFePO4		
Battery Voltage Range	150 ~ 600V		
Max. Charge/Discharge Current	60A		
Max. Charge/Discharge Power	16,500W	22,000W	27,500W
Efficiency			
Max. Efficiency	98.60%		
European Weighted Efficiency	98.20%		
MPPT Efficiency	99.90%		
Battery Charge/ Discharge Efficiency	97.70%		
Protection			
DC Insulation Resistance Detection	Yes		
Residual Current Monitoring	Yes		
DC Reverse Polarity Protection	Yes		
DC/AC Surge Protection	Type II		
DC Switch	Yes		
Anti-islanding Protection	Yes		
AC Over Current Protection	Yes		
AC Short-circuit Protection	Yes		
AC Over Voltage Protection	Yes		
Grounded Fault Detection	Yes		
General Data			
Operating Temperature Range	-30 to + 60°C		
Relative Operating Humidity	0 ~ 100 %RH		
Max. Operating Altitude	4,000m		
Cooling	Natural Cooling	Fan Cooling	Fan Cooling
Display	LED / App / Web		
Communication	CAN / RS485 / PLC / WIFI / 4G / LAN		
Weight	45kg		
Dimensions (W*H*D)	658*523*220mm		
Degree of Protection	IP65		
Mounting	Wall Mounted		



HIGH VOLTAGE BATTERY

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

Safety

- Automotive grade battery
- Smog detecting+pressure relief valve, risk warning&precaution and ultimate protection
- Reliable IP67, C4 design to satisfy multi-scenario applications

Performance

- 35A max charge/discharge current
- LiFePO4 cell configuration, long cycle life (>6000)
- Optional heating module, wider application scenarios

Simplicity

- Handle-type module, flat modular design, space-saving
- Flexible stacking, efficient installation, plug and play
- Multiple and flexible power options (5-50KWh compatibility)

Intelligent

- All in one platform monitoring
- Remote adjustment mode
- Remote upgrade program supportable



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	4.5kWh	9kWh	13.5kWh	18kWh	22.5kWh
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
Cell Type	LiFePO4				
Max. Charging/Discharging Current	35A				
SOC Indicator	4*LED (25%, 50%, 75%, 100%)				
State Indicator	2*LED (work, alarm)				
Communication	CAN, RS485				
Working Temperature	-10 to +50°C (heating version -20 to +50°C)				
Ingress Protection Rating	IP67				
Working Humidity	5 ~ 95%RH				
Working Altitude	< 4,000m				
Calendar Life	> 6,000 (70%EOL)				
Dimensions (W*H*D)	700*600*200mm	700*1000*200mm	700*1350*200mm	700*1700*200mm	700*2050*200mm
Net Weight	58.6kg	102.6kg	146.6kg	190.6kg	234.6kg
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	27kWh	36kWh	45kWh
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
Cell Type	LiFePO4		
Max. Charging/Discharging Current	35A		
SOC Indicator	4*LED (25%, 50%, 75%, 100%)		
State Indicator	2*LED (work, alarm)		
Communication	CAN, RS485		
Working Temperature	-10 to +50°C (heating version -20 to +50°C)		
Ingress Protection Rating	IP67		
Working Humidity	5 ~ 95%RH		
Working Altitude	< 4,000m		
Calendar Life	> 6,000 (70%EOL)		
Dimensions (W*H*D)	Master: 700*1400*200mm Slave: 700*1350*200mm	Master: 700*1750*200mm Slave: 700*1700*200mm	Master: 700*2100*200mm Slave: 700*2050*200mm
Net Weight	Master: 148.1kg Slave: 146.6kg	Master: 192.1kg Slave: 190.6kg	Master: 235.1kg Slave: 234.6kg
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.



ALL-IN-ONE / AC BATTERY

HYX-H6/9/12/15K-HTA
HYX-H6/9/12/15K-HTAC

Simple

- No meter any more
- No distribution adjustment any more
- Minimalist installation

Reliable

- Type II surge protection on both AC/DC
- IP65,C4 salt spray design
- AFCI + RSD,ultimate peace of mind

Powerful

- Full Load supported
- 160% PV oversizing
- Wakingup pure PV system when off-grid

Flexible

- Stackable one-piece design with quick-connect ports
- Various power&capacity options to meet all scenarios
- Compatible with any third party microinverter



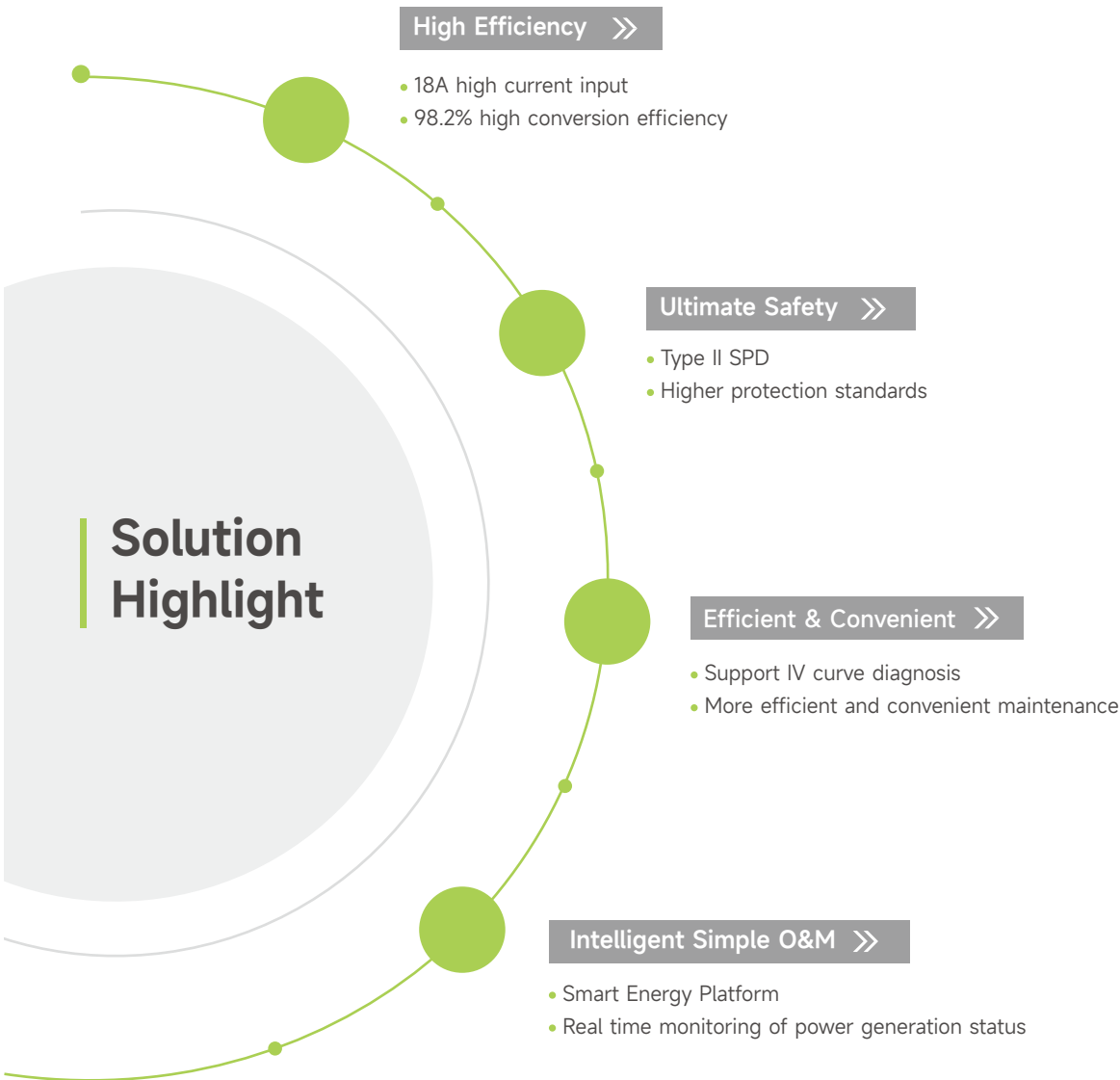
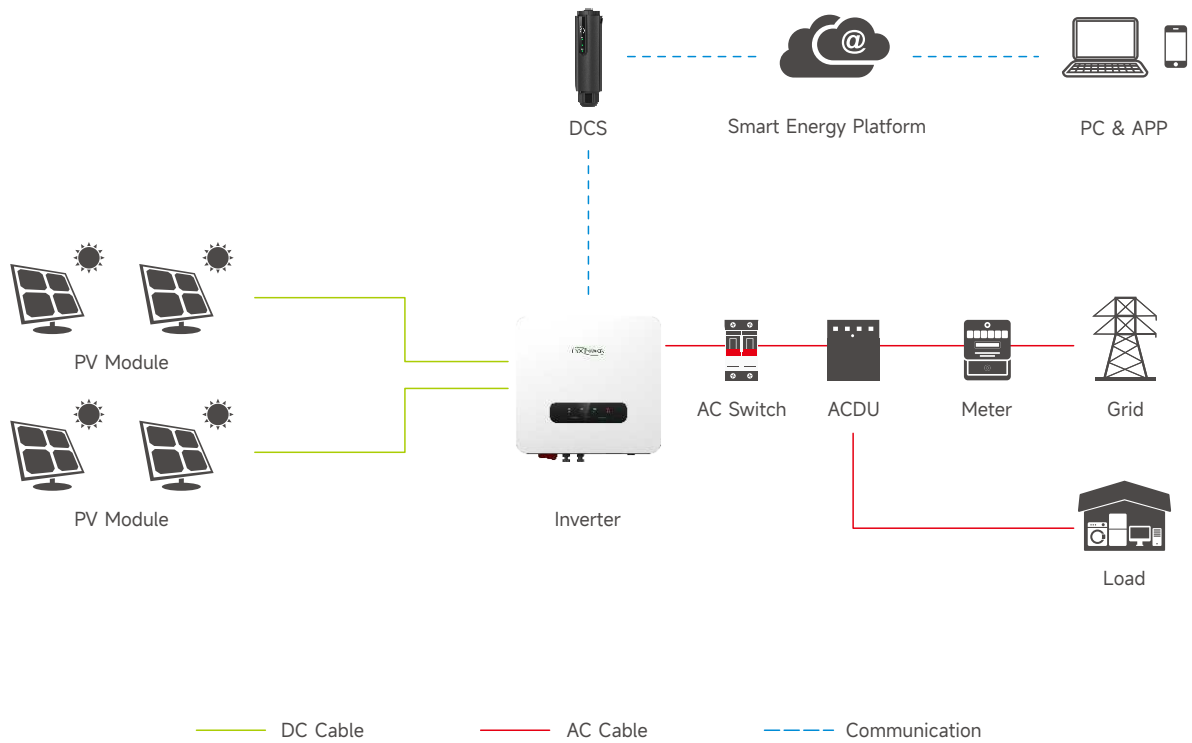
Product Model	HYX-H6K-HTA/HTAC	HYX-H9K-HTA/HTAC	HYX-H12K-HTA/HTAC	HYX-H15K-HTA/HTAC
System				
Hybrid Inverter	1			
Battery Module	2	3	4	5
Base	1			
PV Data (only for HTA, HTAC no PV)				
Max. Input Power (max input power of each string)	160% Rated 9,600W (3,200W/3,200W/3,200W)	160% Rated 14,400W (4,800W/4,800W/4,800W)	160% Rated 19,200W (6,400W/6,400W/6,400W)	160% Rated 24,000W (8,000W/8,000W/8,000W)
Max. Input Voltage	1,000V			
MPPT Operating Voltage Range	140 ~ 980V			
Start-Up Voltage	180V			
Max. Input Current	20A / 40A			
Max. Short Circuit Current	30A / 60A			
Number of MPPT	2			
PV Input Number (Number of String Per MPPT)	3 (1 / 2)			
AFCI (Arc Fault Circuit Interrupter)	Intergrated			
AC Data				
Grid Type	3/N/PE, 220V/380V, 230V/400V, 240V/415V			
Nominal Frequency	50Hz / 60Hz			
Max. Passthrough Current	63A			
Max. Apparent Power Output to Utility	6,600VA	9,900VA	13,200VA	16,500VA
Output Power Factor	0.8 leading ... 0.8 lagging			
THDi	<3%			
Battery				
Battery Type	LiFePO4			
Total Battery Capacity	10.6kWh	15.9kWh	21.2kWh	26.5kWh
Max. Continues Output Apparent Power	6,600W	9,900W	13,200W	16,500W
Max. Peak Output Power	7,000W, 10s	10,500W, 10s	14,000W, 10s	17,500W, 10s
Switch Time between on&off-grid	<10 ms			
General				
Operating Temperature	-20 to +50℃			
DC/AC Surge Arrester	AC/DC II/II			
Cooling Method	Natural Cooling			
Ingress Protection	IP65			
Dimensions (W*H*D)	730*1372*206mm	730*1747*206mm	730*2122*206mm	730*2497*206mm
Weight	152kg	202kg	252kg	302kg
Max. Operating Altitude	4000m			
Noise Emmision	<30 dB			
User Interface	LED / App / Web			
Communication	CAN / RS485 / WIFI / 4G / LAN / PLC			

Residential String PV Solution



Making power management more Efficient, Safe and Intelligent

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.





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	4,800W	5,760W	6,400W	7,360W	8,000W	9,600W
Max. Input Voltage	600V					
Nominal Input Voltage	360V					
Start-up Voltage	100V					
MPPT Operating Voltage Range	80 - 560V					
MPPT Full Load Voltage Range	200 - 500V					
Max. Input Current Per MPPT	18A					
Max. Short-Circuit Current	24A					
Number of MPP Trackers	2					
Max. Input Number Per MPP Tracker	1 / 1					
AC Output						
Nominal Output Power	3,000W	3,600W	4,000W	4,600W	5,000W	6,000W
Max. Apparent Power	3,300VA	3,960VA	4,400VA	5,060VA	5,500VA	6,600VA
Nominal Output Voltage	1 / N / PE, 220V / 230V / 240V					
Nominal AC Grid Frequency	50 / 60Hz					
Nominal Output Current	13.6A	16.4A	18.2A	20.9A	22.7A	27.3A
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A
Adjustable Power Factor	0.8 leading...0.8 lagging					
THDi	< 3%					
Efficiency						
Max. Efficiency	98.2%					
European Weighted Efficiency	97.6%					
MPPT Efficiency	99.9%					
Protection						
Active Anti-islanding Protection	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	-25 to + 60°C					
Relative Operating Humidity	0 - 100 %RH					
Operating Altitude	4,000m					
Cooling	Natural Cooling					
Display	LED+App					
Communication	RS485 / 4G / WIFI					
Weight	11.6kg					
Dimensions (W*H*D)	340*360*136mm					
Topology	Non-Isolated					
Degree of Protection	IP66					
Overvoltage Level	PV II / AC III					



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	11,200W	12,800W	14,400W	16,000W	19,200W
Max. Input Voltage	600V				
Nominal Input Voltage	360V				
Start-up Voltage	80V				
MPPT Operating Voltage Range	40 - 560V				
MPPT Full Load Voltage Range	200 - 500V				
Max. Input Current Per MPPT	20A / 20A	20A / 20A	20A / 20A / 20A	20A / 20A / 20A	20A / 20A / 20A
Max. Short-Circuit Current	24A / 24A	24A / 24A	24A / 24A / 24A	24A / 24A / 24A	24A / 24A / 24A
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	7,000W	8,000W	9,000W	10,000W	12,000W
Max. Apparent Power	7,700VA	8,800VA	9,900VA	11,000VA	13,200VA
Nominal Output Voltage	1 / N / PE, 220 / 230 / 240V				
Nominal AC Grid Frequency	50 / 60Hz				
Nominal Output Current	31.8A / 220V 30.4A / 230V 29.2A / 240V	36.4A / 220V 34.8A / 230V 33.3A / 240V	40.9A / 220V 39.1A / 230V 37.5A / 240V	45.5A / 220V 43.5A / 230V 41.7A / 240V	54.5A / 220V 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 leading...0.8 lagging				
THDi	< 3%				
Efficiency					
Max. Efficiency	98.3%				
European Weighted Efficiency	97.6%				
MPPT Efficiency	99.9%				
Protection					
Active Anti-islanding Protection	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	4,000m				
Cooling	Natural Cooling				
Display	LED+App				
Communication	RS485 / 4G / WIFI				
Weight	23kg				
Dimensions (W*H*D)	522*416*162.5mm				
Topology	Non-Isolated				
Degree of Protection	IP66				
Overvoltage Level	PV II / AC III				
Optimizer Model	HYX-OP700				



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	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 MPP Trackers		2	
Max. Input Number Per MPP Tracker		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		
Nominal Output Current	12.2A / 380V 11.5A / 400V	15.2A / 380V 14.4A / 400V	18.2A / 380V 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 leading...0.8 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	4,000m		
Cooling	Smart Air Cooling		
Display	LED+App		
Communication	RS485 / 4G / WIFI		
Weight	21kg		
Dimensions (W*H*D)	522*416*162.5mm		
Topology	Non-Isolated		
Degree of Protection	IP66		
Overvoltage Level	PV II / AC III		
Optimizer Model	HYX-OP700		

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



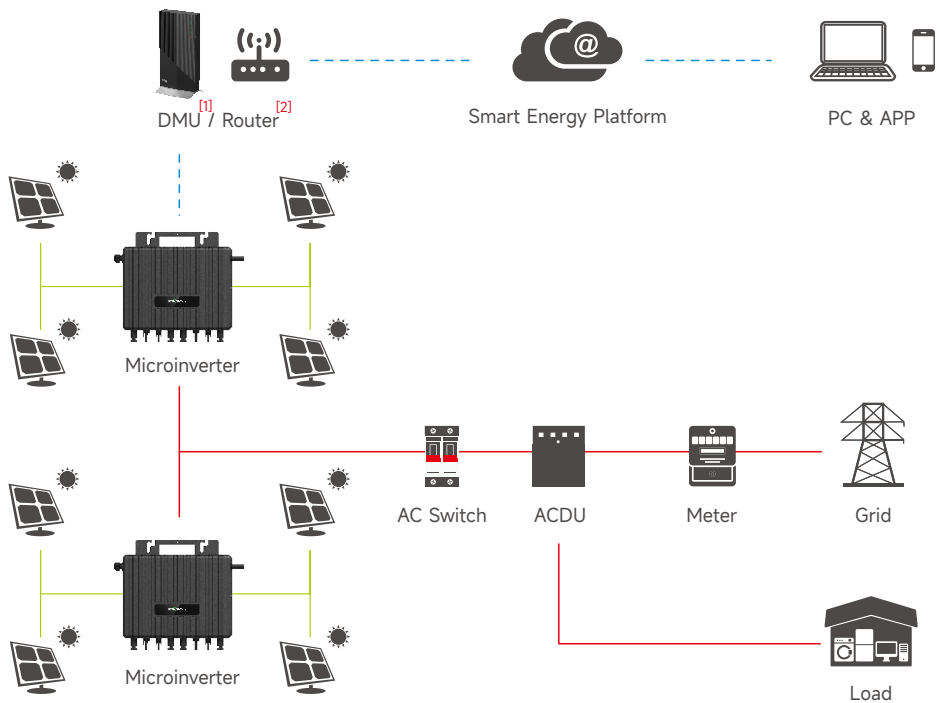
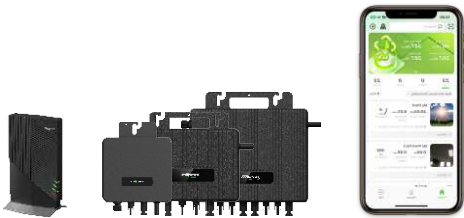
Product Model	HYX-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T
PV Input				
Max. Input Power	24,000W	27,200W	32,000W	40,000W
Max. Input Voltage	1,100V			
Nominal Input Voltage	600V			
Start-up Voltage	160V			
MPPT Operating Voltage Range	140 - 1,000V			
MPPT Full Load Voltage Range	192 - 850V	215 - 850V	250 - 850V	315 - 850V
Max. Input Current Per MPPT	40A			
Max. Input Current Per String	20A			
Max. Short-Circuit Current	50A			
Number of MPP Trackers	2			
Max. Input Number Per MPP Tracker	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 / 380V, 230 / 400V			
Nominal AC Grid Frequency	50 / 60Hz			
Nominal Output Current	22.8A / 380V 21.7A / 400V	25.8A / 380V 24.5A / 400V	30.4A / 380V 28.9A / 400V	38.0A / 380V 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%			
Efficiency				
Max. Efficiency	98.5%			
European Weighted Efficiency	98.2%			
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			
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	WLAN+App			
Communication	RS485 / 4G / WIFI			
Weight	27kg			
Dimensions (W*H*D)	519*426*192mm			
Topology	Non-Isolated			
Degree of Protection	IP66			
Overvoltage Level	PV II / AC III			
Optimizer Model	HYX-OP700			

Microinverter System Solution



Making power management more Efficient, Safe and Intelligent

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.



[1] DMU: adapt Sub-1G version Microinverter [2] Router: adapt WiFi version Microinverter

DC Cable AC Cable Communication

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

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	240 - 450* W	320 - 600* W	400 - 670* W
Min./Max. MPPT Voltage	16 - 60V		
Max. Input Voltage	65V		
Start-up Input Voltage	20V		
Max. Input Current	16A		
Max. Short-circuit DC Input Current	20A		
Output (AC)			
Nominal Output Power	300VA	400VA	500VA
Nominal Output Current	1.36A / 1.30A / 1.25A	1.82A / 1.74A / 1.67A	2.27A / 2.17A / 2.08A
Nominal Output Voltage	220V / 230V / 240V		
Adjustable Output Voltage Range	183 - 276V		
Nominal Frequency	50 / 60Hz		
Adjustable Output Frequency Range	45 - 55Hz, 55 - 65Hz		
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging		
THDi	< 3%		
Max. Units Per 10AWG Branch	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	< 30mW		
General Data			
Operating Ambient Temperature	- 40 to + 65°C		
Dimensions (W*H*D)	188*178*25mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	1.7kg		
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



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	240 - 450* W	280 - 525* W	320 - 600* W	360 - 670* W	400 - 670* W
Min./Max. MPPT Voltage	16 - 60V				
Max. Input Voltage	65V				
Start-up Input Voltage	20V				
Max. Input Current	2*16A				
Max. Short-circuit DC Input Current	2*20A				
Output (AC)					
Nominal Output Power	600VA	700VA	800VA	900VA	1000VA
Nominal Output Current	2.73A / 2.61A / 2.5A	3.18A / 3.04A / 2.92A	3.64A / 3.48A / 3.33A	4.09A / 3.91A / 3.75A	4.55A / 4.35A / 4.17A
Nominal Output Voltage	220V / 230V / 240V				
Adjustable Output Voltage Range	183 - 276V				
Nominal Frequency	50 / 60Hz				
Adjustable Output Frequency Range	45 - 55Hz, 55 - 65Hz				
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging				
THDi	< 3%				
Max. Units Per 10AWG Branch	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	< 30mW				
General Data					
Operating Ambient Temperature	- 40 to + 65°C				
Dimensions (W*H*D)	252*180*35mm				
Degree of Protection	IP67				
Cooling	Natural Cooling - No fans				
Weight	3kg				
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



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	320 - 600* W	360 - 670* W	400 - 670* W
Min./Max. MPPT Voltage	16 - 60V		
Max. Input Voltage	65V		
Start-up Input Voltage	20V		
Max. Input Current	4*16A		
Max. Short-circuit DC Input Current	4*20A		
Output (AC)			
Nominal Output Power	1600VA	1800VA	2000VA
Nominal Output Current	7.27A / 6.96A / 6.67A	8.18A / 7.83A / 7.50A	9.09A / 8.70A / 8.33A
Nominal Output Voltage	220V / 230V / 240V		
Adjustable Output Voltage Range	183 - 276V		
Nominal Frequency	50 / 60Hz		
Adjustable Output Frequency Range	45 - 55Hz, 55 - 65Hz		
Power Factor (default / adjustable)	>0.99 / 0.8 leading...0.8 lagging		
THDi	< 3%		
Max. Units Per 10AWG Branch	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	< 30mW		
General Data			
Operating Ambient Temperature	- 40 to + 65°C		
Dimensions (W*H*D)	310*236*35.5mm		
Degree of Protection	IP67		
Cooling	Natural Cooling - No fans		
Weight	5kg		
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

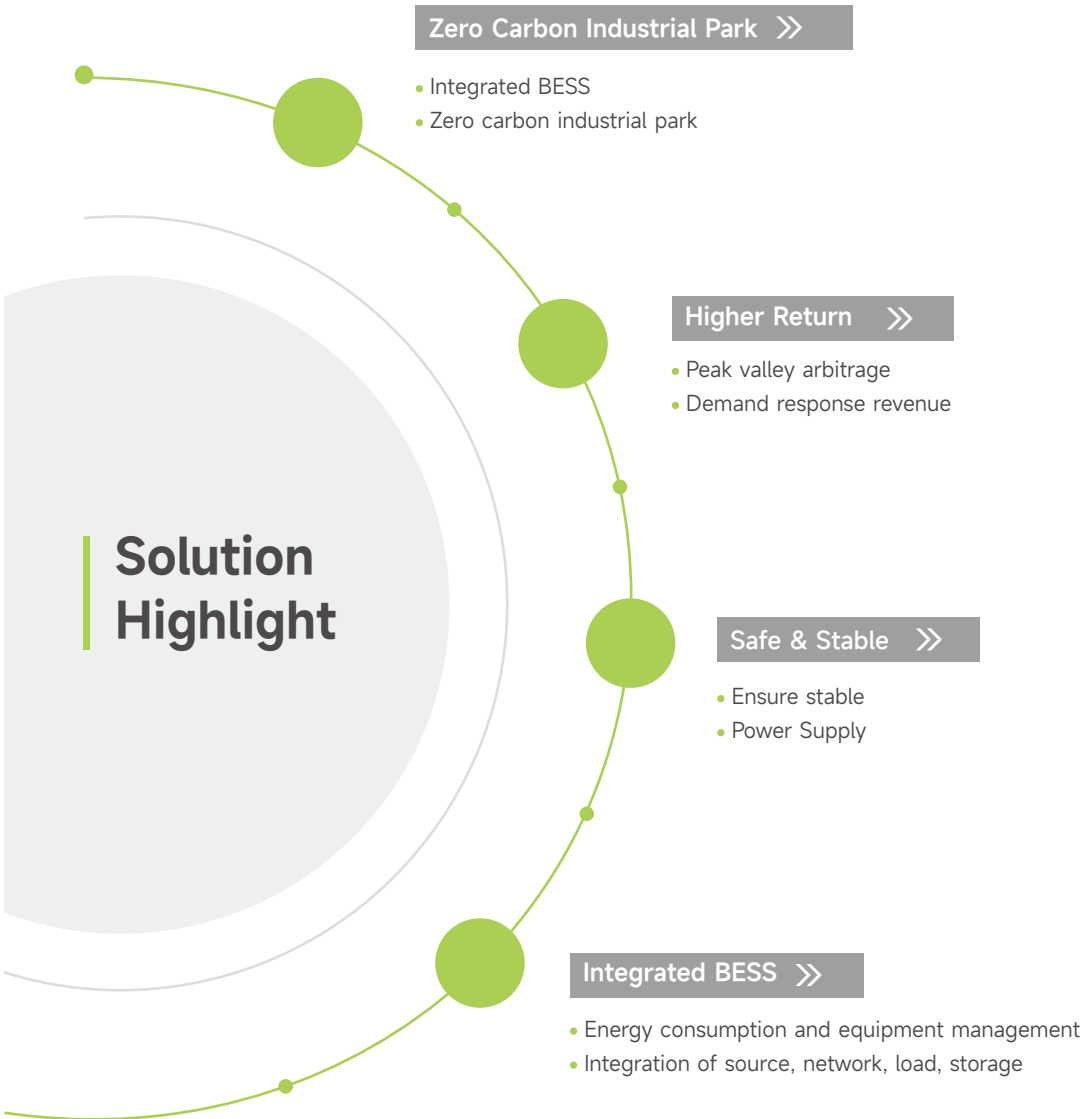
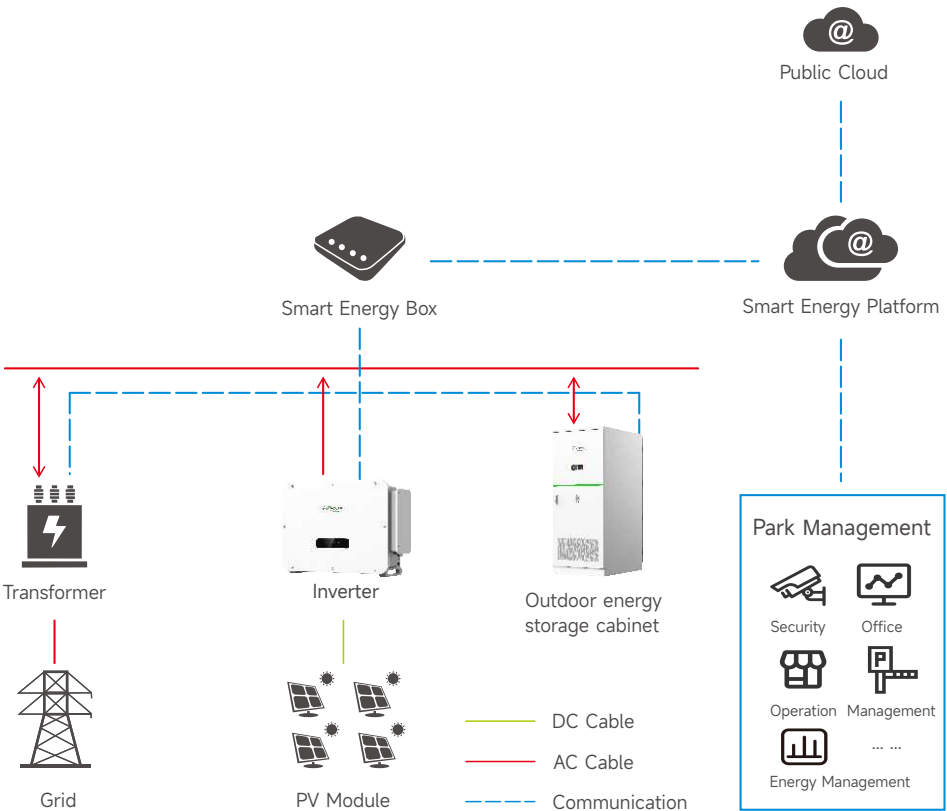
C&I PV, ESS Solution



Making power management more Efficient, Safe and Intelligent

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.



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	48kW	52.8kW	57.6kW	64kW	80kW
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			450 - 850V		
Max. Input Current Per MPPT			40A		
Max. Input Current Per String			20A		
Max. Short-Circuit Current			50A		
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	30kW	33kW	36kW	40kW	50kW
Max. Apparent Power	33kVA	36.3kVA	39.6kVA	44kVA	55kVA
Nominal Output Voltage			3L / N / PE, 220 / 380V, 230 / 400V		
Nominal AC Grid Frequency			50 / 60Hz		
Nominal Output Current	45.6A / 380V 43.3A / 400V	50.2A / 380V 47.6A / 400V	54.7A / 380V 52A / 400V	60.8A / 380V 57.7A / 400V	76A / 380V 72.2A / 400V
Max. Output Current	50.2A / 380V 47.6A / 400V	55.2A / 380V 52.4A / 400V	60.2A / 380V 57.2A / 400V	66.9A / 380V 63.5A / 400V	83.6A / 380V 79.4A / 400V
Adjustable Power Factor			0.8 leading...0.8 lagging		
THDi			< 3%		
Efficiency					
Max. Efficiency			98.6%		
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		
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			44kg		
Dimensions (W*H*D)			615*460*268.5mm		
Topology			Non-Isolated		
Degree of Protection			IP66		
Overvoltage Level			PV II / AC III		
Optimizer Model			HYX-OP700		

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		1,100V	
Nominal Input Voltage		600V	
Start-up Voltage		160V	
MPPT Operating Voltage Range		140 - 1,000V	
Full-load MPPT Voltage Range		500 - 850V	
Max. Input Current Per MPPT		40A	
Max. Input Current Per String		20A	
Max. Short-Circuit Current		50A	
Number of MPP Trackers		10	
Max. Input Number Per MPP Tracker		20	
AC Output			
Nominal Output Power	100kW	110kW	120kW
Max. Apparent Power	110kVA	121kVA	132kVA
Nominal Output Voltage	220 / 380V, 230 / 400V, 3L / N / PE		
Nominal AC Grid Frequency	50 / 60Hz		
Nominal Output Current	151.9A	167.1A	182.3A
Max. Output Current	167.2A	185.7A	190.5A
Adjustable Power Factor	>0.99 (0.8 leading...0.8 lagging)		
THDi	< 3%		
Efficiency			
Max. Efficiency	98.8%		
European Weighted Efficiency	98.3%		
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		
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		
Overvoltage Level	PV II / AC III		

STRING INVERTER

HYX-S320K-HT

Reliable

- Type II surge protection
- Support smart connector-level detection and smart string-level disconnection
- IP66, suitable for harsh installation environment

Efficient

- Support PLC communication and reduce the difficulty of construction
- 75A large current, compatible with major module types

Simple

- Support active power fast response, primary frequency control
- Suitable for weak power grid, SCR < 2% connected to power grid

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-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	72A		75A
Max. Short-Circuit Current	120A		
Number of MPP Trackers	6		
Max. Input Number Per MPP Tracker	24		30
AC Output			
Nominal Output Power	320kW		
Max. Apparent Power	352kVA		
Nominal Output Voltage	800V, 3L / PE		
Nominal AC Grid Frequency	50Hz / 60Hz		
Nominal Output Current	230.9A		
Max. Output Current	254A		
Adjustable Power Factor	>0.99 (0.8 leading...0.8 lagging)		
THDi	< 3%		
Efficiency			
Max. Efficiency	≥99.03%		
European Weighted Efficiency	≥98.52%		
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		
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	120kg		
Dimensions (W*H*D)	1048*732*395mm		
Topology	Non-Isolated		
Degree of Protection	IP66		
Overvoltage Level	PV II / AC III		



ALL-IN-ONE LIQUID COOLING ESS

HYX-EL232/261P2-G1

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-G1		HYX-EL261P2-G1	
AC Side				
Nominal AC Active Power	105kW		125kW	
Nominal AC Voltage	380 / 400V (-15% ~ 15%)			
Nominal AC Grid Frequency	50 / 60Hz (-2.5 ~ 2.5)			
AC Connection Method	3P+N+PE			
Max. Output Current	158A		212A	
Adjustable Power Factor Range	0.99 / ~1-1			
Max. Total Harmonic Distortion (THDi)	≤3%			
Efficiency Response Time	< 20ms			
Battery Side				
Cell Capacity	280Ah		314Ah	
Battery Configuration	1P260S			
Nominal Voltage	832V			
Operating Voltage Range	728 ~ 936V			
Nominal Capacity	232.96kWh		261.248kWh	
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% (Excluding self consumption)			
Operating Temperature Range	-20 to 50°C			
Operating Humidity Range	0 ~ 95%RH			
Noise	≤ 75dB			
Dimensions (W*H*D)	1000*2400*1350mm			
Weight	2,500kg			
Protection Degree	IP55			
Cooling Method	Liquid Cooling			
Fire Protection Method	Perfluoro+Pack-level+Active Forewarning			
Max. Operating Altitude	≤ 2,000m			
Networking Mode	WiFi / LAN / 4G			
Display	Touch Screen			



LIQUID COOLING ESS

HYX-EL372/418P2-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-EL418P2-DC	
Battery Side				
Cell Capacity	280Ah		314Ah	
Battery Configuration	1P260S			
Nominal Voltage	1,331.2V			
Operating Voltage Range	1,164.8 - 1,497.6V			
Nominal Capacity	372.736kWh		417.997kWh	
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	≥ 94% (Excluding self consumption)			
Operating Temperature Range	-20 to 50°C			
Operating Humidity Range	0 - 95%RH			
Noise	≤ 75dB			
Dimensions (W*H*D)	1420*2300*1350mm			
Weight	3,200kg		3,500kg	
Protection Degree	IP55			
Cooling Method	Liquid Cooling			
Fire Protection Method	Perfluoro+Pack-level+Active Forewarning			
Max. Operating Altitude	≤ 2,000m			
Networking Mode	LAN			



CONTAINER ESS

HYX-EL3000/4000/5000P2-DC

High Safety

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

Long lifespan

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

More Intelligent

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

Easy O&M

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

Product Model	HYX-EL3000P2-DC	HYX-EL4000P2-DC	HYX-EL5000P2-DC
Battery Side			
Cell Capacity	280Ah	280Ah	314Ah
Battery Configuration	10P416S	12P416S	12P416S
Nominal Voltage	1,331.2V		
Operating Voltage Range	1,164.8 ~ 1,497.6V		
Nominal Capacity	3727.36kWh	4472.832kWh	5015.96kWh
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	≥ 94% (Excluding self consumption)		
Operating Temperature Range	-20 to 50°C		
Operating Humidity Range	0 ~ 95%RH		
Noise	≤ 75dB		
Dimensions (W*H*D)	2850*2896*6058mm	2850*2896*6800mm	2850*2896*6800mm
Weight	32T	42T	52T
Protection Degree	IP55		
Cooling Method	Liquid Cooling		
Fire Protection Method	Perfluoro+Pack-level+Active Forewarning		
Max. Operating Altitude	≤ 2,000m		
Networking Mode	LAN		



PORTABLE POWER STATION

HYX-EA700/1000/2000/2500

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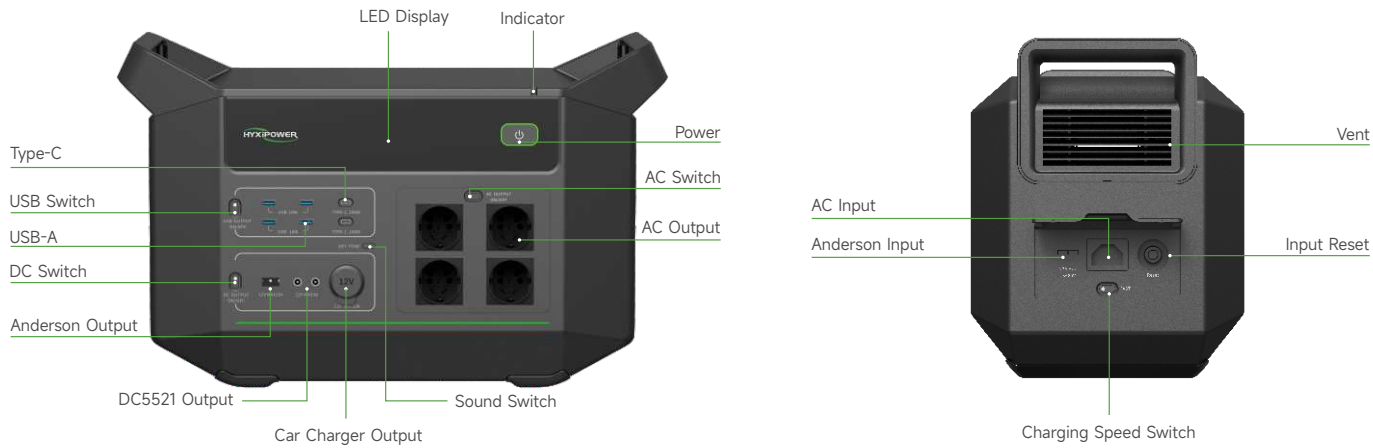
Reliable
- Tab-less LFP battery, low internal resistance, non-explosive, non-flammable
 - Active battery BMS life estimation algorithm, actively improve battery safety
 - Self-reset slow charging, longer battery life, more stable charging process
 - Low voltage Solar Charging, DC charge is safer

- 

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



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				518*323*293mm			
Weight	10kg		12kg		22.5kg		25.5kg	
Discharge Temperature Range	-10 to +45°C							
Cycle Life	4,000 cycles to 70% EOL							



SMART PV OPTIMIZER

HYX-OP400/500/600/700/1100/1300

- Reliable**
 - Module-level shutdown to protect installers and firefighters
- Efficient**
 - Large power (1300W), large current (25Isc)
 - Perfect match for bifacial, 182 & 210 large power modules

- Simple**
 - Clip-on quick installation
- Intelligent**
 - Module-level monitoring, efficient and accurate location of fault points

Product Model	HYX-OP400	HYX-OP500	HYX-OP600	HYX-OP700	HYX-OP1100	HYX-OP1300
Appearance						
Input						
Rated Input DC Power	400W	500W	600W	700W	1,100W	1,300W
Absolute Max. Input Voltage	80V				125V	
MPPT Operating Voltage Range	10 ~ 80V				12.5 ~ 105V	
Max. Short Circuit Current (Isc)	25A				25A	
MPPT Efficiency	99.5%				99.5%	
Weighted Efficiency	99.0%				99.0%	
Overvoltage Category	II				II	
Output						
Max. Output Voltage	80V				80V	
Max. Output Current	20A				22A	
Output Bypass	Yes				Yes	
Shutdown Output Voltage Per Optimizer	1V				1V	
Communication						
Communication Method	PLC				PLC	
General Data						
Dimension (W*H*D)	92*148.5*25mm				96.4*148.5*48mm	
Weight (including cables)	850g				1300g	
Input/Output Connector	Staubli MC4				Staubli MC4	
Input Wire Length	150mm				150mm	
Output Wire Length	1300mm				(+)5100mm, (-)150mm	
Operating Temperature Range	-40 to +85°C				-40 to +85°C	
Relative Humidity	0 - 100 %RH				0 - 100 %RH	
Degree of Protection	IP68				IP68	
Installation Part	Frame Mounting Bracket / T-shaped Bolt				Frame Mounting Bracket / T-shaped Bolt	



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

Product Model	HYX-DCS-4G	HYX-DCS-WL
General Data		
Max. Inverters Supported	10	10
Data Acquisition Interval	5 mins	
Connection Interface	USB	USB
Ethernet Interface	/	10M / 100M Ethernet
Installation	Plug-and-play	Plug-and-play
Indicator	LED	LED
Dimensions (W*H*D)	122*41*33mm	144*41*33mm
Weight	64	68
Degree of Protection	IP66	IP66
Power Consumption	2W	1W
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	- 30 to +65°C	
Relative Humidity Range	0 ~ 100%RH, Non-condensing	
Storage Temperature Range	-40 to +70°C	

Hyxi
DCS

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

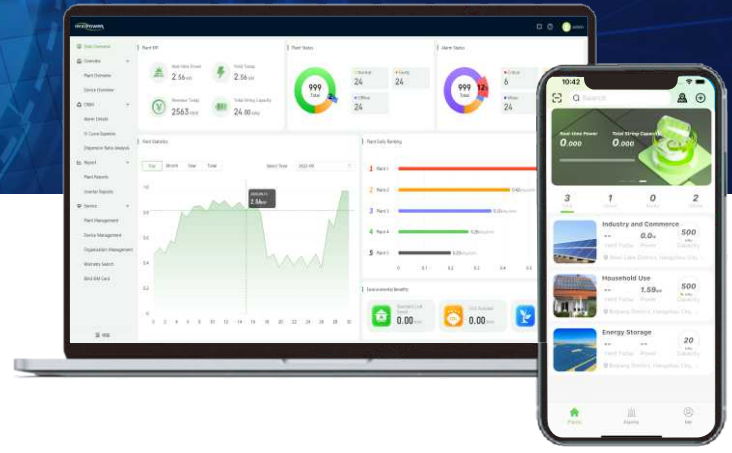
Ethernet, WiFi, 4G multiple communications supportable

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 Smart Energy Platform		
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	5 mins	
Power Supply (Adapter)		
Type	External adapter	
Adapter Input Voltage/Frequency	100-240Vac / 50-60Hz	
Adapter Output Voltage/Current	12V / 1A	
Power Consumption	1.5W	2.5W
General Data		
Operating Ambient Temperature	- 20 to +65°C	
Dimensions (W*H*D)	106*216*79mm (with base)	
Weight	320g	
Cooling	Natural Cooling	
Degree of Protection	IP20	
Installation Method	Desktop mounting / Wall mounting	



HYXiLogger

Easy Installation

Multiple installation methods.
Built-in web interface, deployment wizard allowed, support quick layout.

Safe and Reliable

TLS encryption to protect communication security.
Duplicate redundant power supplies.

Smart and Flexible

Supports a maximum of 150 inverters.
Support multiple communication modes.

Hyxi
Logger

Product Model	HYXiLogger
Device Management	
Max. Inverters Supported	150
Communication Interface	
WAN	WAN x 2, 10 / 100 / 1,000 Mbps
LAN	LAN x 4, 10 / 100 / 1,000 Mbps
Optical Ethernet	SFP x 2, 100 / 1,000 Mbps
HPLC	PLC x 2, Max. Voltage 800V (±10%), 1,000 m
RS485	COM x 6
Digital Input / Output	DI x 9 / DO x 4
Analog Input	AI x 4
PT100 / PT1000	2
Active DO	x1, 12V, 0.1A
Communication Protocol	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (Standard), DL / T645
Power Supply	
AC Input Voltage/Frequency	100 ~ 277 Vac, 50 / 60 Hz
DC Output Voltage/Current	24Vdc, 1.25A
Power Consumption	Max. 18W
Interaction	
LED	LED x 4
Web	Embedded Web
USB	USB 3.0 x 2
General Data	
Operating Ambient Temperature	-35 to +60°C
Relative Humidity Range	5 ~ 95% RH
Degree of Protection	IP20
Operating Altitude	4000m
Dimensions (W*H*D)	60*380*240 mm (without mounting ears)
Weight	3kg
Installation Method	Wall Mounting, Rail Mounting, Tabletop Mounting

Smart Energy Platform

- 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

www.hyxicloud.com

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

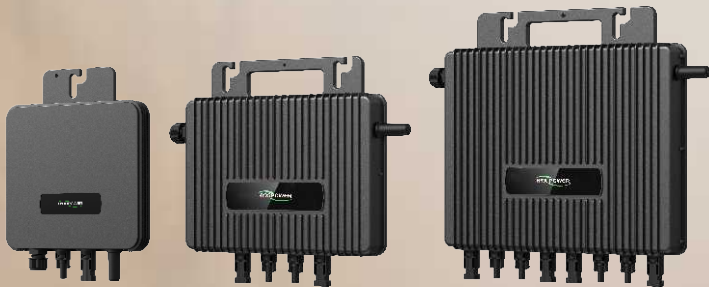


RESIDENTIAL PRODUCTS PORTFOLIO



Hybrid Inverter

- HYX-H3K/3K6/4K/4K6/5K/6K/8K-HS
- HYX-H5K/6K/8K/10K/12K-HT
- HYX-H10K/15K/25K-HT



Microinverter

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



String Inverter

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



High Voltage Battery

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



All-in-one/AC Battery

- HYX-H6/9/12/15K-HTA
- HYX-H6/9/12/15K-HTAC



Portable Power Station

- HYX-EA700/1000/2000/2500
- HYX-EA2000/2500



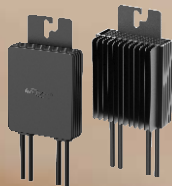
Hyxi DCS

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



Hyxi DMU

- HYX-DMU-4G
- HYX-DMU-W



Smart PV Optimizer

- HYX-OP400/500/600/700
- HYX-OP1100/1300



Smart Energy Platform

C&I PV, ESS PRODUCTS PORTFOLIO



String Inverter
• HYX-S30K/33K/36K/40K/50K-T
• HYX-S100K/110K/120K-T



**ALL-IN-ONE
Liquid Cooling ESS**
• HYX-EL232P2-G1
• HYX-EL261P2-G1



Liquid Cooling ESS
• HYX-EL372P2-DC
• HYX-EL418P2-DC



String Inverter
• HYX-S320K-HT



HYXiLogger



Container ESS
• HYX-EL3000/4000/5000P2-DC