





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 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<sup>+</sup>**  
Years  
Industry Experience  
of R&D

**50<sup>+</sup>**  
Items  
Core Technology Invention  
Patent

**70<sup>+</sup>**  
Percent  
Core R&D Technical  
Personnel

**100<sup>+</sup>**  
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.




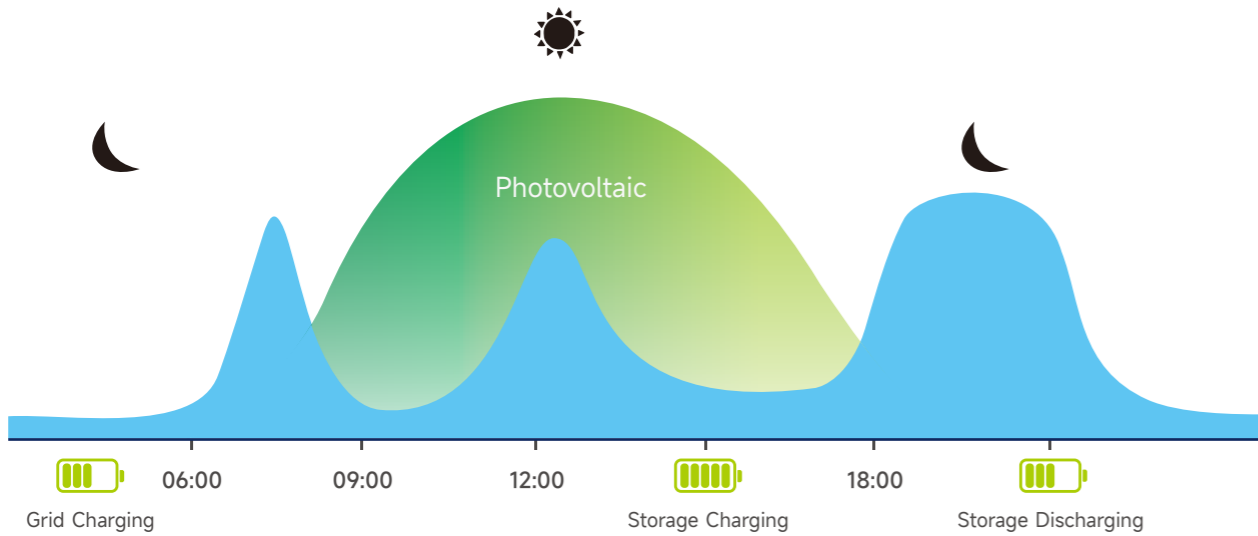
# Residential Energy Storage Solution

## 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
<b>PV Input</b>							
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)						
<b>AC Input / Output</b>							
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						
<b>Back-Up(AC Output)</b>							
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	9,600W; 10s
Max. Output Current	15.0A	18.0A	20.0A	23.0A	25.0A	30.0A	36.3A
Switch Time	< 10ms						
<b>Battery</b>							
Battery Type	LiFePO4						
Battery Voltage Range	80 - 490V						
Max. Charge/Discharge Current	35A						
Max. Charge/Discharge Power	8,000W						
<b>Efficiency</b>							
Max. Efficiency	98.60%						
European Weighted Efficiency	98.20%						
MPPT Efficiency	99.90%						
Battery Charge/ Discharge Efficiency	97.50%						
<b>Protection</b>							
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						
<b>General Data</b>							
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
<b>PV Input</b>					
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)
<b>AC Input / Output</b>					
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				
<b>Back-Up(AC Output)</b>					
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				
<b>Battery</b>					
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
<b>Efficiency</b>					
Max. Efficiency	98.60%				
European Weighted Efficiency	98.20%				
MPPT Efficiency	99.90%				
Battery Charge/ Discharge Efficiency	97.50%				
<b>Protection</b>					
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				
<b>General Data</b>					
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
<b>PV Input</b>			
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)	
<b>AC Input / Output</b>			
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	
<b>Back-Up(AC Output)</b>			
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	
<b>Battery</b>			
Battery Type		LiFePO4	
Battery Voltage Range		150 ~ 600V	
Max. Charge/Discharge Current		60A	
Max. Charge/Discharge Power	16,500W	22,000W	27,500W
<b>Efficiency</b>			
Max. Efficiency		98.60%	
European Weighted Efficiency		98.20%	
MPPT Efficiency		99.90%	
Battery Charge/ Discharge Efficiency		97.70%	
<b>Protection</b>			
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	
<b>General Data</b>			
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 IP65(PACK 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)

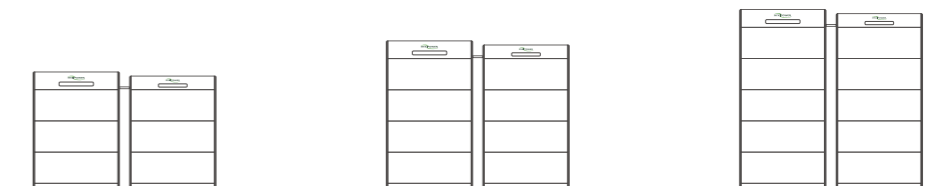
### Intelligent

- 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 <sup>1</sup>	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	IP65 (PACK IP67)				
Working Humidity	5 ~ 95%RH				
Working Altitude	< 4,000m				
Calendar Life	> 6,000 (70%EOL)				
Dimensions (W*H*D)	700*600*200mm	700*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				

<sup>1</sup>: 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 <sup>1</sup>	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	IP65 (PACK 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		

<sup>1</sup>: 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
- IP67,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



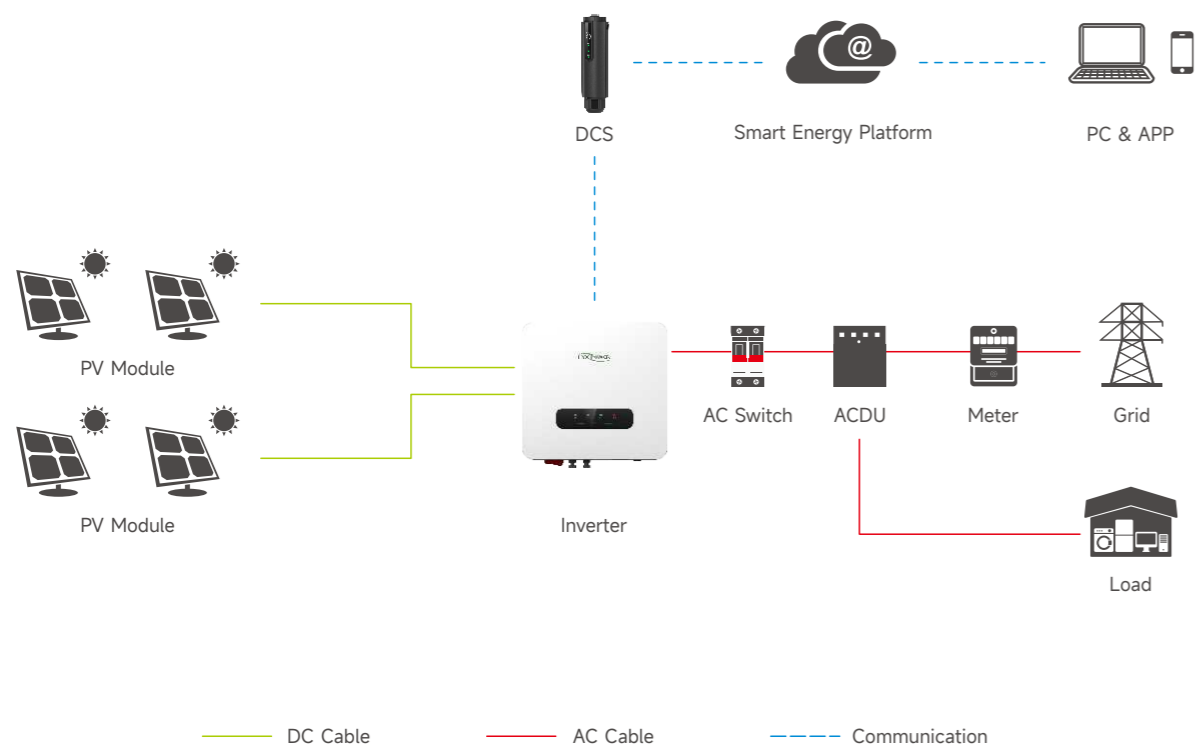
Product Model	HYX-H6K-HTA/HTAC	HYX-H9K-HTA/HTAC	HYX-H12K-HTA/HTAC	HYX-H15K-HTA/HTAC
<b>System</b>				
Hybrid Inverter			1	
Battery Module	2	3	4	5
Base	1			
<b>PV Data (only for HTA, HTAC no PV)</b>				
Max. Input Power (max input power of each string)	160% Rated 9,600W (3,200W/3,200W/3,200W)	160% Rated 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			
<b>AC Data</b>				
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%			
<b>Battery</b>				
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			
<b>General</b>				
Operating Temperature	-20 to +50°C			
DC/AC Surge Arrester	AC/DC II/II			
Cooling Method	Natural Cooling			
Ingress Protection	IP67			
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 Emmission	<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.



### 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 Energy Platform
  - Real time monitoring of power generation status



# 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
<b>PV Input</b>						
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					
<b>AC Output</b>						
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%					
<b>Efficiency</b>						
Max. Efficiency	98.2%					
European Weighted Efficiency	97.6%					
MPPT Efficiency	99.9%					
<b>Protection</b>						
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					
<b>General Data</b>						
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
<b>PV Input</b>					
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
<b>AC Output</b>					
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%				
<b>Efficiency</b>					
Max. Efficiency	98.3%				
European Weighted Efficiency	97.6%				
MPPT Efficiency	99.9%				
<b>Protection</b>					
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				
<b>General Data</b>					
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
<b>PV Input</b>			
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	
<b>AC Output</b>			
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%	
<b>Efficiency</b>			
Max. Efficiency		98.5%	
European Weighted Efficiency		98.1%	
MPPT Efficiency		99.9%	
<b>Protection</b>			
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	
<b>General Data</b>			
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

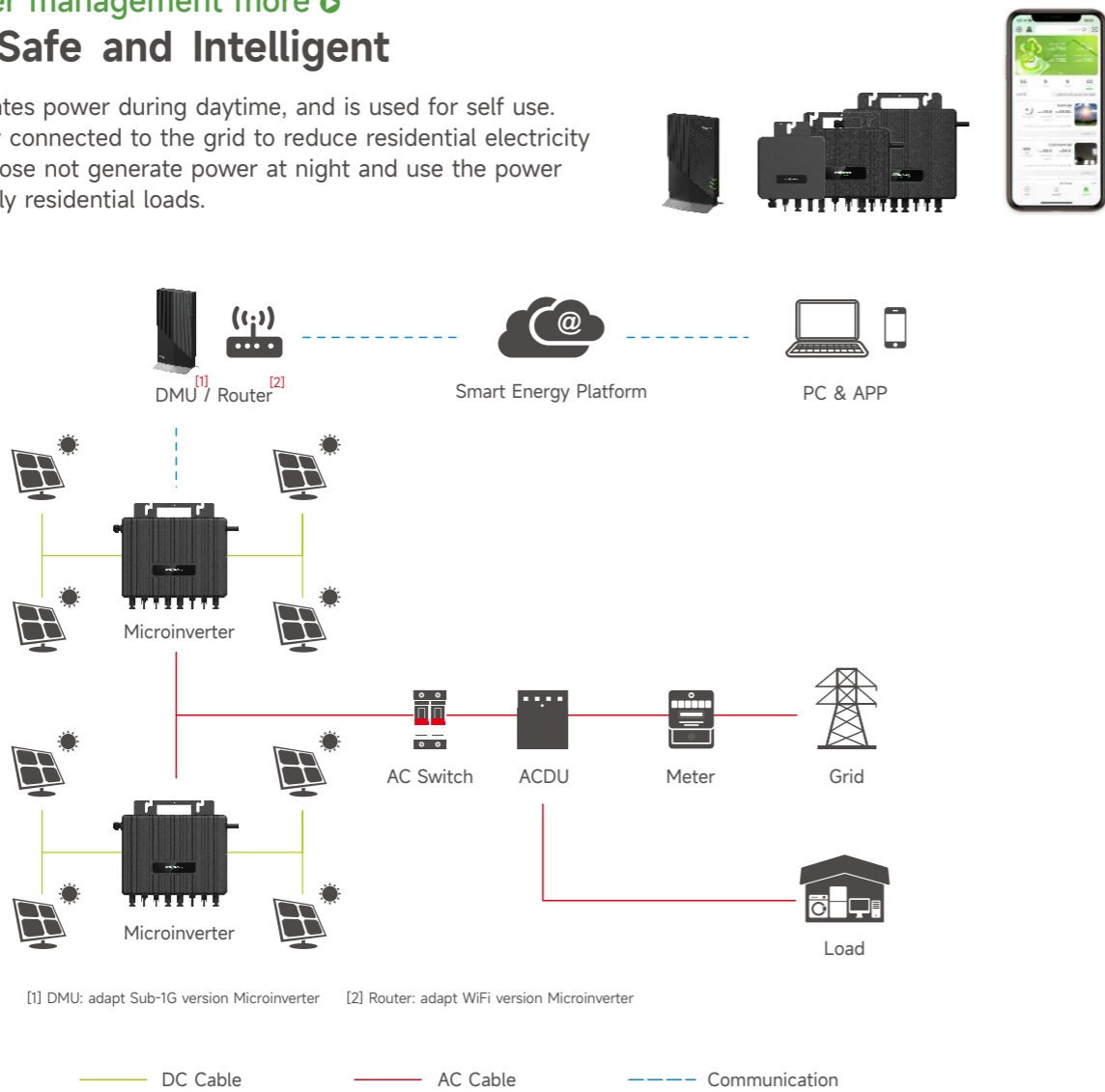
Product Model	HYX-S15K-T	HYX-S17K-T	HYX-S20K-T	HYX-S25K-T
<b>PV Input</b>				
Max. Input Power	24,000W	27,200W	32,000W	40,000W
Max. Input Voltage		1,100V		
Nominal Input Voltage		600V		
Start-up Voltage		160V		
MPPT Operating Voltage Range		140 - 1,000V		
MPPT Full Load Voltage Range	192 - 850V	215 - 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		
<b>AC Output</b>				
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%		
<b>Efficiency</b>				
Max. Efficiency		98.5%		
European Weighted Efficiency		98.2%		
MPPT Efficiency		99.9%		
<b>Protection</b>				
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		
<b>General Data</b>				
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.



### 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
<b>Input (DC)</b>			
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		
<b>Output (AC)</b>			
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
<b>Efficiency</b>			
Peak Efficiency	96.70%		
Nominal MPPT Efficiency	99.80%		
Night-time Power Loss	< 30mW		
<b>General Data</b>			
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		
<b>Features</b>			
Communication <sup>1</sup>	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
<b>Protection</b>			
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
<b>Input (DC)</b>					
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				
<b>Output (AC)</b>					
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
<b>Efficiency</b>					
Peak Efficiency	96.70%				
Nominal MPPT Efficiency	99.80%				
Night-time Power Loss	< 30mW				
<b>General Data</b>					
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				
<b>Features</b>					
Communication <sup>1</sup>	Sub-1G Built-in WiFi				
Type of Isolation	High frequency transformers, Galvanically isolated				
Warranty	12 years standard, 25 years optional				
<b>Protection</b>					
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
<b>Input (DC)</b>			
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		
<b>Output (AC)</b>			
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
<b>Efficiency</b>			
Peak Efficiency	96.70%		
Nominal MPPT Efficiency	99.80%		
Night-time Power Loss	< 30mW		
<b>General Data</b>			
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		
<b>Features</b>			
Communication <sup>1</sup>	Sub-1G Built-in WiFi		
Type of Isolation	High frequency transformers, Galvanically isolated		
Warranty	12 years standard, 25 years optional		
<b>Protection</b>			
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

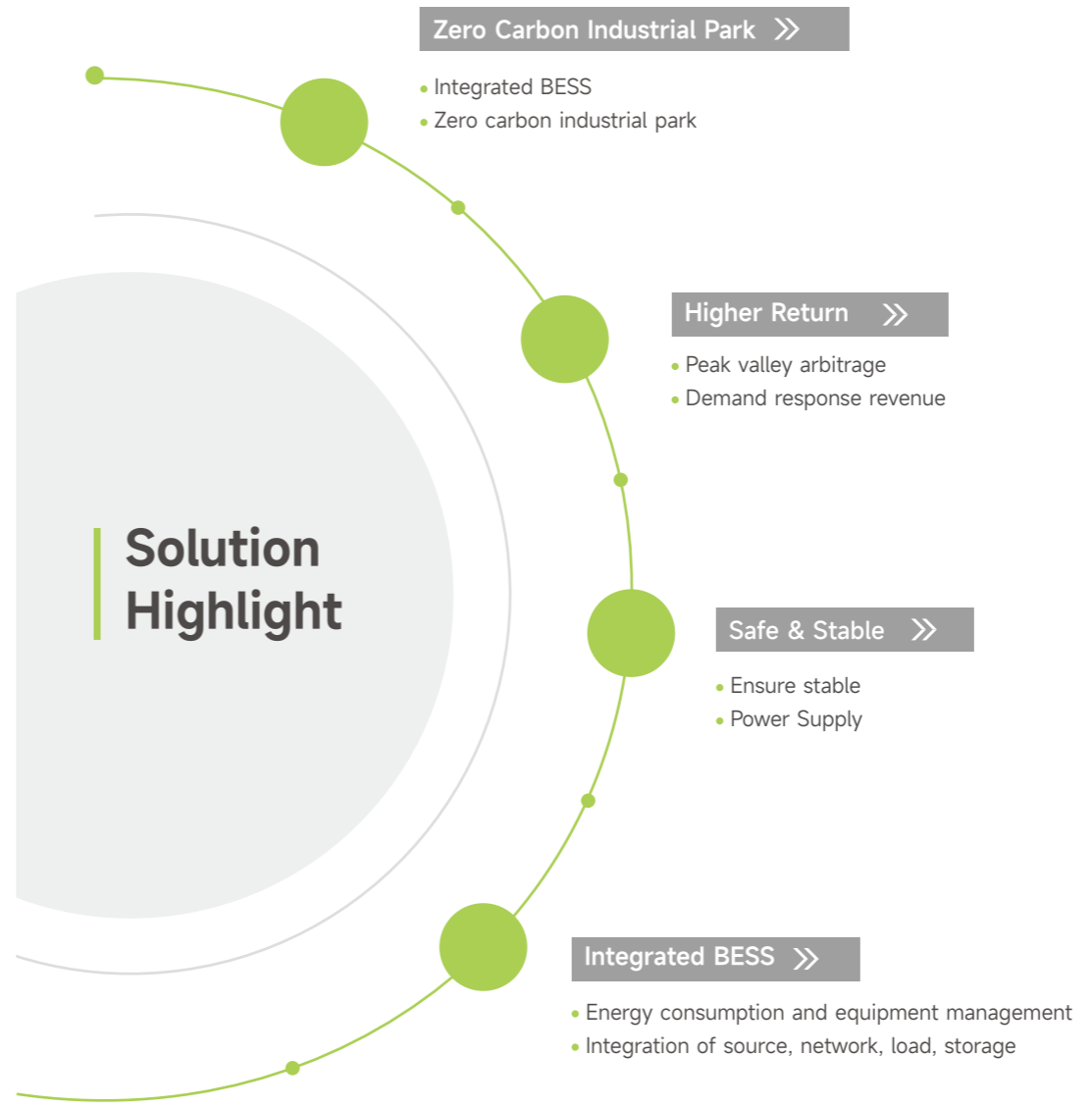
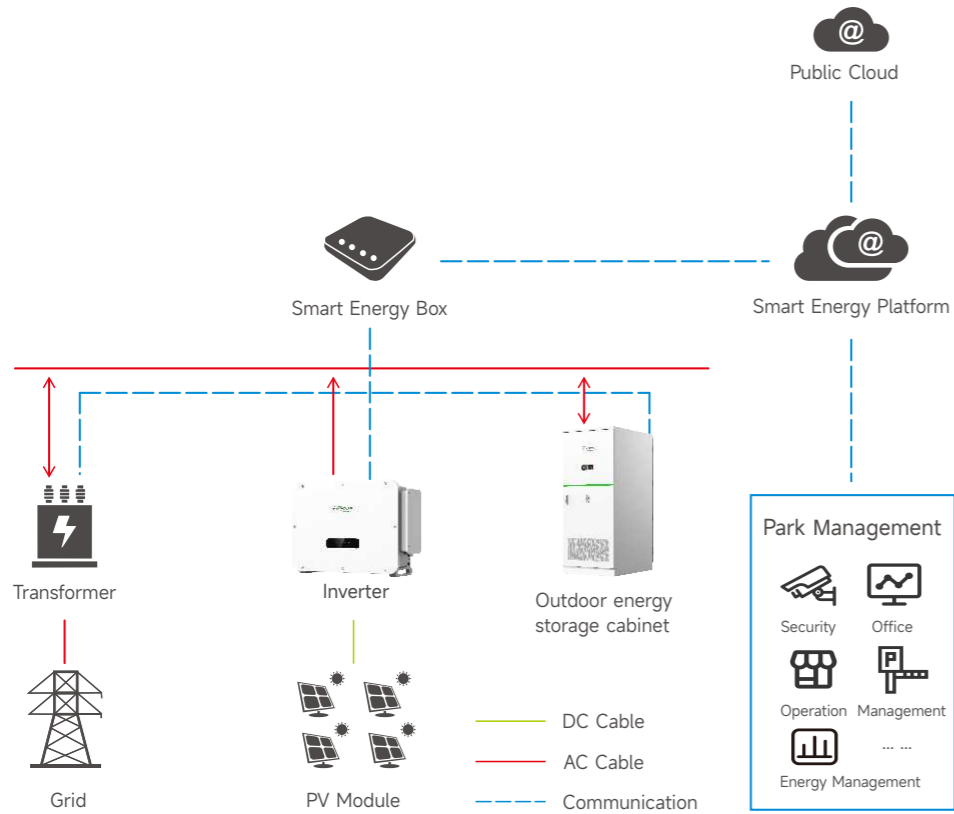


# C&I PV, ESS Solution

## 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
<b>PV Input</b>					
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
<b>AC Output</b>					
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%				
<b>Efficiency</b>					
Max. Efficiency	98.6%				
European Weighted Efficiency	98.1%				
MPPT Efficiency	99.9%				
<b>Protection</b>					
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				
<b>General Data</b>					
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
<b>PV Input</b>			
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	
<b>AC Output</b>			
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%		
<b>Efficiency</b>			
Max. Efficiency	98.8%		
European Weighted Efficiency	98.3%		
MPPT Efficiency	99.9%		
<b>Protection</b>			
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		
<b>General Data</b>			
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 < 1.2 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	
<b>PV Input</b>		
Max. Input Voltage	1,500V	
Nominal Input Voltage	1,080V	
Start-up Voltage	500V	
MPPT Operating Voltage Range	480 ~ 1,500V	
Max. Input Current Per MPPT	75A	
Max. Short-Circuit Current	120A	
Number of MPP Trackers	6	
Max. Input Number Per MPP Tracker	24	30
<b>AC Output</b>		
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%	
<b>Efficiency</b>		
Max. Efficiency	≥99.03%	
European Weighted Efficiency	≥98.52%	
MPPT Efficiency	99.9%	
<b>Protection</b>		
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	
<b>General Data</b>		
Operating Temperature Range	-35 to + 60°C	
Relative Operating Humidity	0 ~ 100 %RH	
Operating Altitude	5,000m	
Cooling	Smart Air Cooling	
Display	LED / WLAN+App	
Communication	RS485 / HPLC	
Weight	130kg	
Dimensions (W*H*D)	1120*820*380mm	
Topology	Non-Isolated	
Degree of Protection	IP66	
Overvoltage Level	PV II / AC III	



# 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
<b>AC Side</b>		
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	
<b>Battery Side</b>		
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	
<b>Protection</b>		
Overvoltage Protection	Yes	
Overcurrent Protection	Yes	
Short-circuit Protection	Yes	
Over-temperature Protection	Yes	
<b>General Data</b>		
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
<b>Battery Side</b>		
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
<b>Protection</b>		
Overvoltage Protection		Yes
Overcurrent Protection		Yes
Short-circuit Protection		Yes
Over-temperature Protection		Yes
<b>General Data</b>		
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



Product Model	HYX-EL3000P2-DC	HYX-EL4000P2-DC	HYX-EL5000P2-DC
<b>Battery Side</b>			
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		
<b>Protection</b>			
Overvoltage Protection	Yes		
Overcurrent Protection	Yes		
Short-circuit Protection	Yes		
Over-temperature Protection	Yes		
<b>General Data</b>			
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		

# 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



# 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



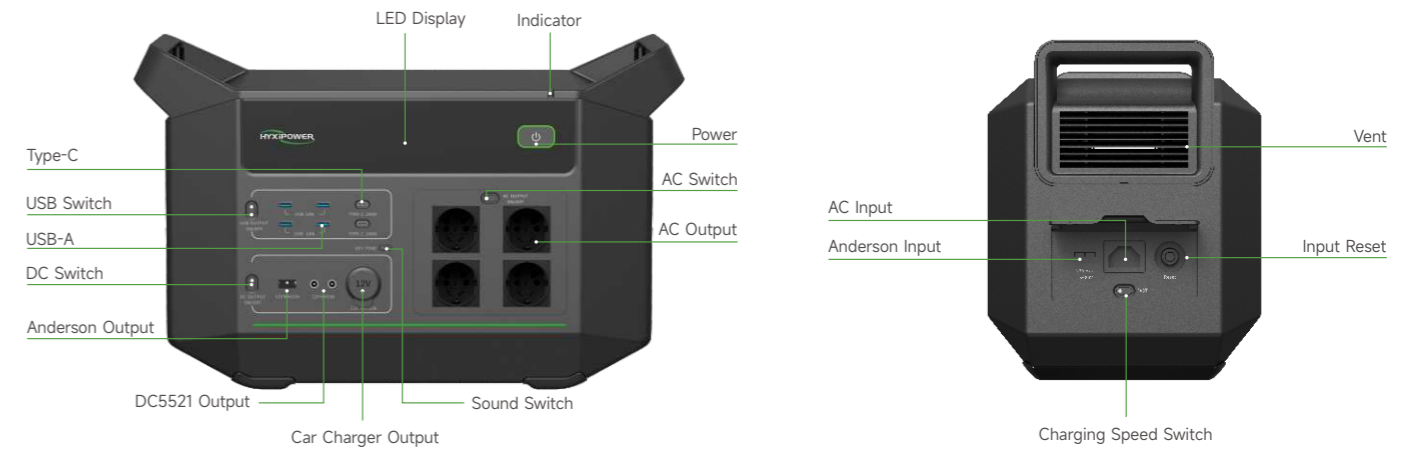
**Efficient**

- 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



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						
<b>Input</b>						
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	
<b>Output</b>						
Max. Output Voltage	80V				80V	
Max. Output Current	20A				22A	
Output Bypass	Yes				Yes	
Shutdown Output Voltage Per Optimizer	1V				1V	
<b>Communication</b>						
Communication Method	PLC				PLC	
<b>General Data</b>						
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

Hyxi  
DCS



Product Model	HYX-DCS-4G	HYX-DCS-WL
<b>General Data</b>		
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
<b>Wireless Parameter</b>		
Wireless	4G:TDD-LTE, FDD-LTE 3G:SCDMA 2G:GSM/GPRS	WIFI:802.11b/g/n
<b>Environment</b>		
Operating Ambient Temperature	- 30 to +65°C	
Relative Humidity Range	0 ~ 100%RH, Non-condensing	
Storage Temperature Range	-40 to +70°C	

## 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
<b>Communication to Microinverter</b>		
Signal	Sub-1G	Sub-1G
Monitoring Data Limit From Solar Panels	400	400
<b>Communication to Smart Energy Platform</b>		
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	
<b>Power Supply (Adapter)</b>		
Type	External adapter	
Adapter Input Voltage/Frequency	100-240Vac / 50-60Hz	
Adapter Output Voltage/Current	12V / 1A	
Power Consumption	1.5W	2.5W
<b>General Data</b>		
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.

Product Model	HYXiLogger
<b>Device Management</b>	
Max. Inverters Supported	150
<b>Communication Interface</b>	
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
<b>Communication Protocol</b>	
Ethernet	Modbus-TCP, IEC 60870-5-104
RS485	Modbus-RTU, IEC 60870-5-103 (Standard), DL / T645
<b>Power Supply</b>	
AC Input Voltage/Frequency	100 ~ 277 Vac, 50 / 60 Hz
DC Output Voltage/Current	24Vdc, 1.25A
Power Consumption	Max. 18W
<b>Interaction</b>	
LED	LED x 4
Web	Embedded Web
USB	USB 3.0 x 2
<b>General Data</b>	
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

Hyxi  
Logger

# 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](http://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



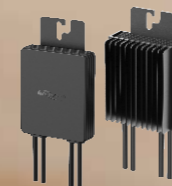
### Hyxi DCS

- 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



**String Inverter**  
• HYX-S320K-HT



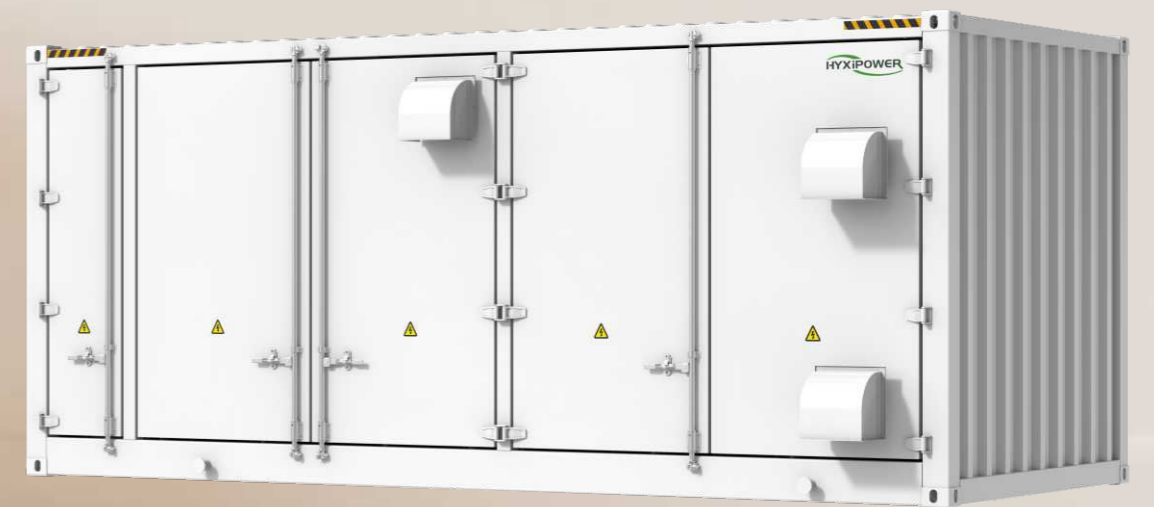
**HYXiLogger**



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



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



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