



HSI 3000U

Solar storage inverter

Efficiency

- Advanced MPPT with up to 99.9% efficiency
- Multiple charge and discharge modes are available

Safety

- 360 degrees of security from hardware to software
- Multiple safety approvals available

All in one

- Support for many types of batteries
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Reliable output for long periods at rated power

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Support for remote monitoring of operating

Application scenario



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	HSI 3000U	Can Be Set
INVERTER OUTPUT		
Rated Output Power	3,000W	
Max.Peak Power	6,000VA	
Rated Output Voltage	120Vac (L/N/PE Single-phase)	✓
Load Capacity of Motors	2HP	
Rated AC Frequency	50Hz/60Hz	✓
Waveform	Pure Sine Wave	
Switch Time	10ms (typical)	
BATTERY		
Battery Type	Li-ion / Lead-Acid / User Defined	✓
Rated Battery Voltage	24Vdc	
Voltage Range	20~33Vdc	✓
Max.MPPT Charging Current	60A	✓
Max.Mains/Generator Charging Current	40A	✓
Max.Hybrid Charging Current	100A	✓
PV INPUT		
Num. of MPPT Trackers	1	
Max.PV Array Power	1,600W	
Max.Input Current	40A	
Max.Voltage of Open Circuit	108Vdc	
MPPT Voltage Range	30~90Vdc	
MAINS/GENERATOR INPUT		
Input Voltage Range	90~140Vac	✓
Frequency Range	50/60Hz	
Bypass Overload Current	40A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Inverter Efficiency	92%	
GENERAL		
Dimension	378*280*103mm (1.24*0.92*0.34ft)	
Weight	6.8kg (14.99lb)	
Protection Degree	IP20, only indoor	
Operating Temperature Range	-10°C~55°C (14°F~131°F)	
Noise	≤60dB	
Cooling Method	Forced air cooling with adjustable air speed	
Warranty	18 Months	
COMMUNICATION		
Embedded Interfaces	RS485 / USB / Dry contact	✓
External Modules (Optional)	Wi-Fi / GPRS	✓
CERTIFICATION		
Safety	CE(IEC 62109-1) / CETL(UL 1741/ CSA C22.2 NO.107.1)	
EMC	EN61000, C2	
RoHS	Yes	



SYP 5K-U

Solar storage inverter

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22A PV input current for high power PV module

Safety

- 360 degrees of security from hardware to software
- IEC safety approvals

All in one

- Solar charge controller up to 100A charging current

Reliable

- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection meet the

User-Friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



House



Farm



Telecom



Countryside

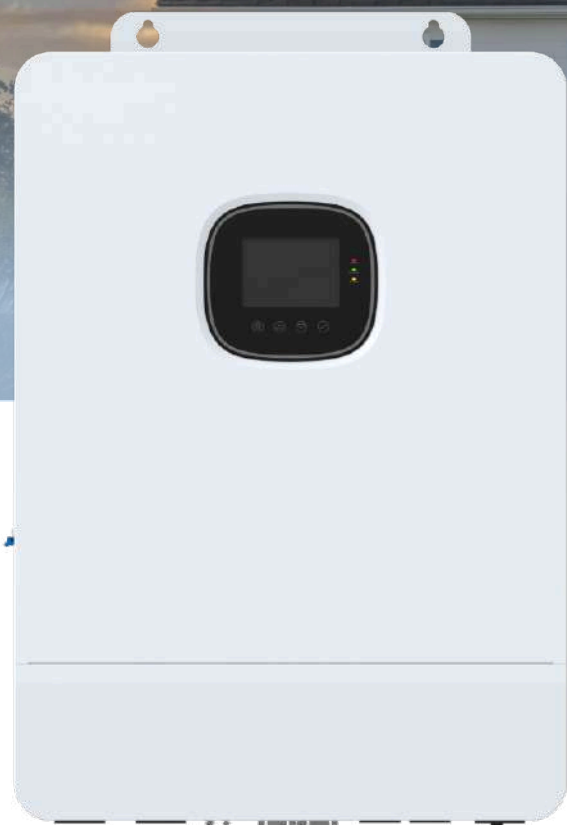


Island



Pasture

MODEL	SYP 5K-U	CAN BE SET
INVERTER OUTPUT		
Rated Output Power	5,000W	
Max.Peak Power	10,000VA	
Rated Output Voltage	120Vac (L/N/PE single-phase)	✓
Load Capacity of Motors	4HP	
Rated AC Frequency	50/60Hz	✓
Waveform	Pure sine wave	
Switch Time	10ms (typical)	
Parallel Capacity	1-6 units (single/split/three phase)	
BATTERY		
Battery Type	Li-ion / Lead-acid / user-define	✓
Rated Battery Voltage	48Vdc	
Voltage Range	40~60Vdc	✓
Max.MPPT Charging Current	100A	✓
Max.Mains/Generator Charging Current	40A	✓
Max.Hybrid Charging Current	100A	✓
PV INPUT		
Num. of MPP Trackers	1	
Max.PV array power	5,500W	
Max.input current	22A	
Max.Voltage of Open Circuit	500Vdc	
MPPT Voltage Range	120~450Vdc	
MAINS / GENERATOR INPUT		
Input Voltage Range	90~140Vac	
Frequency Range	50/60Hz	
Bypass Overload Current	63A	
EFFICIENCY		
MPPT Tracking Efficiency	99.9%	
Max. Battery Inverter Efficiency	92%	
GENERAL		
Dimensions	446.9*350*133mm	
Weight	13kg	
Protection Degree	IP20, indoor only	
Operating Temperature Range	-15~55°C	
Noise	<60dB	
Cooling Method	Intelligent fan	
Warranty	1 years	
COMMUNICATION		
Embedded Interfaces	RS485/CAN/USB/dry contact	✓
External Modules (Optional)	Wi-Fi/GPRS	✓
CERTIFICATION		
Safety	CE (IEC62109-1/2)	
EMC	EN61000	
RoHS	yes	



SPI Series

Solar storage inverter

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 22+22A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 200A charging current
- Support Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- Up to 10kW output power

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



House



Farm



Telecom



Countryside

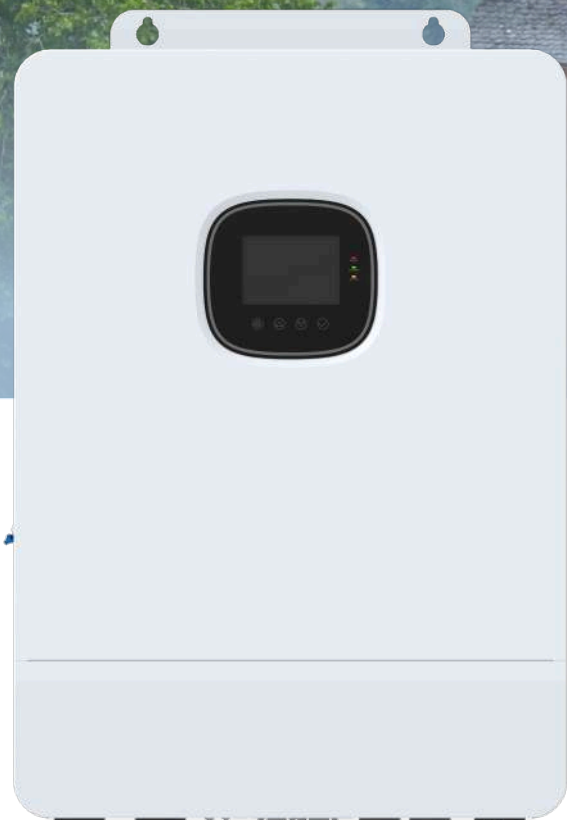


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Pasture

MODELS	SPI-10K-U	SPI-8K-U	Can Be Set
INVERTER OUTPUT			
Rated Output Power	10,000W	8,000W	
Max. Peak Power	20,000W	16,000W	
Rated Output Voltage	120, single-phase / 240V, split-phase		✓
Load Capacity of Motors	6HP	5HP	
Rated AC Frequency	50/60Hz		✓
Waveform	Pure sine wave		
Switch Time	10ms (typical)		
BATTERY			
Battery Type	Li-ion / Lead-acid / User-defined		✓
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		✓
Max. MPPT Charging Current	200A	180A	✓
Max. Mains / Generator Charging Current	120A	100A	✓
Max. Hybrid Charging Current	200A	180A	✓
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5,500W+5,500W		
Max. Input Current	22A+22A		
Max. Open Circuit Voltage	500Vdc+500Vdc		
MPPT Voltage Range	125~425Vdc		
UTILITY / GENERATOR INPUT			
Input Voltage Range	90~140Vac		✓
Frequency Range	50/60Hz		
Bypass Overload Current	63A		
EFFICIENCY			
MPPT Tracking Efficiency	99.9%		
Max. Battery Inverter Efficiency	92%		
GENERAL			
Dimensions	620*445*130mm		
Weight	27kg		
Protection Degree	IP20, indoor only		
Operating Temperature Range	-10~55°C, >45°C derated		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	18 Months		
COMMUNICATION			
Embedded Interfaces	RS485 / CAN / USB / Dry contact		✓
External Modules (Optional)	Wi-Fi / GPRS		✓
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2, UL1741		
EMC	EN61000-6-1, EN61000-6-3, FCC 15 class B		
RoHS	Yes		



SPI Series

Solar storage inverter

Efficiency

- Advanced MPPT technology with up to 99.9% efficiency
- Up to 18+18A PV input current

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

All-in-one

- Up to 140A charging current
- Support Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- Up to 6 units in parallel connection

User-friendly

- Industrial design with a modern aesthetic look
- Easy to install and simple to use

Intelligent

- Exclusive Li-ion battery BMS dual activation
- Time-slot function to save cost with peak-valley

Application scenario



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Pasture

MODEL	SPI-4K-UP	SPI-5K-UP	SPI-6K-UP	SPI-6.5K-UP
INVERTER OUTPUT				
Rated Output Power	4000W	5000W	6000W	6500W
Max. Peak Power	8000VA	10000VA	12000VA	13,000 VA
Rated Output Voltage	120/240Vac(single-phase/split-phase)			
Rated AC Frequency	50/60Hz			
Waveform	Pure sine wave			
Switch Time	10ms (typical value)			
Parallel Capacity	1~6 units			
BATTERY				
Battery Type	Lithium-ion battery/lead-acid battery/user-defined battery			
Rated Battery Voltage	48Vdc			
Battery Voltage Range	40~60Vdc			
Max. Mains / Generator Charging Current	60A	60A	80A	80A
Max. Hybrid Charging Current	100A	120A	140A	140A
PV INPUT				
Num. of MPPT Trackers	2			
Max. PV Array Power	3000W+3000W	3800W+3800W	4500W+4500W	5000W+5000W
Max. Input Current	18+18A			
Max. Open Circuit Voltage	550Vdc+550Vdc			
MPPT Voltage Range	150~450Vdc			
UTILITY / GENERATOR INPUT				
Input Voltage Range	65~140Vac			
Frequency Range	50/60Hz			
Bypass Overload Current	40A			
EFFICIENCY				
MPPT Tracking Efficiency	99.90%			
Max. Battery Inverter Efficiency	93%			
GENERAL				
Dimension	584.6*410*133 mm			
Weight	18.9 kg			
Protection	IP20, for indoor use only			
Operating Temperature Range	-10°C-55°C, >45°C derating			
Noise	<60 dB			
Cooling Method	Intelligent fan			
Warranty	18 Months			
COMMUNICATION				
Embedded Interfaces	RS485/CAN/USB/dry contact			
External Modules (Optional)	Wi-Fi/GPRS			
CERTIFICATION				
Safety	IEC62109-1, IEC62109-2, and UL1741			
EMC	EN61000-6-1, EN61000-6-3, and FCC 15 class B			
RoHS	Yes			