

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 260A charging current
- Supports Li-ion battery BMS communication

Reliable

- Outputs high-quality pure sine wave AC power
- Up to 72kW load power for most household needs

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

SPI



Application scenario



Product Parameters

Model	SPI-8K-H3P	SPI-10K-H3P	SPI-12K-H3P
Inverter Output			
Rated Output Power	8,000W	10,000W	12,000W
Max. Peak Power	16,000W	20,000W	24,000W
Rated Output Voltage	230/400Vac, three-phase		
Load Capacity Of Motors	5HP	6HP	6HP
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	48Vdc		
Voltage Range	40~60Vdc		
Max. PV Charging Current	180A	220A	260A
Max. Mains/generator Charging Current	100A	120A	120A
Max. Hybrid Charging Current	180A	220A	260A
PV Input			
Num. Of MPPT Trackers	2		
Max. PV Array Power	6,000W/6,000W	7,500W/7,500W	9,000W/9,000W
Max. Input Current	22A/22A		
Max. Voltage Of Open Circuit	800Vdc+800Vdc		
Mpvt Voltage Range	200~650Vdc+200~650Vdc		
Utility /generator Input			
Input Voltage Range	phase voltage 170~280V, line voltage 305~485V		
Frequency Range	50Hz/60Hz		
Bypass Overload Current	63A		
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	air cooling		
Warranty	18 months		
Communication			
Embedded Interfaces	RS485 / CAN / USB / Dry Contact		
External Modules (Optional)	Wi-Fi / GPRS		