



SPI Series

Solar storage inverter

Performance characteristics

○ 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;
Supports 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.

Parameters

Model	SPI-8K-SP	SPI-10K-SP	Adjustable
Inverter			
Rated Output Power	8000W	10,000W	
Max.Peak Power	16000W	20,000W	
Rated Output Voltage	230Vac(L/N/PE single phase)		√
Load Capacity of Motors	5HP	6HP	
Rated AC Frequency	50Hz/60Hz		√
Waveform	Pure Sine Wave		
Switch Time	10ms(typical)		
Parallel Capacity	1~6 units		
Output Mode	Off-grid (default) / Hybrid		√
Battery			
Battery Type	Li-ion / Lead-acid / User-defined		√
Rated Battery Voltage	48Vdc		
Voltage Range	40~60Vdc		√
Max. MPPT Charging Current	180A	200A	√
Max. Mains/Generator Charging Current	100A	120A	√
Max. Hybrid Charging Current	180A	200A	√
PV Input			
Num. of MPPT	2		
Max. PV Array Power	5,500W + 5,500W		
Max. Input Current	22A + 22A		
Max. Voltage of Open Circuit	500Vdc + 500Vdc		
MPPT Voltage Range	125~425Vdc		
Mains/ Generator Input			
Input Voltage Range	90~275Vac		
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/Drycontact		√
External Modules (Optional)	Wi-Fi/ GPRS		√
Certification			
Safety	IEC62109-1,IEC62109-2		
EMC	EN61000-6-1,EN61000-6-3,FCC 15 class B		
RoHS	Yes		