

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
- 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

SPI



House



Farm



Telecom



Countryside



Island



Pasture

Application scenario



Product Parameters

Model	SPI-8K-UP	SPI-10K-UP
Inverter Output		
Rated Output Power	8,000W	10,000W
Max. Peak Power	16,000W	20,000W
Rated Output Voltage	120Vac, single-phase / 240Vac, split-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	
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 Trackers	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	
Utility /generator Input		
Input Voltage Range	90~140Vac	
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	Internal Fan	
Warranty	18 months	
Communication		
Embedded Interfaces	RS485 / CAN / USB / Dry Contact	
External Modules (Optional)	Wi-Fi / GPRS	