



# 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



House



Farm



Telecom



Countryside



Island



Pasture

MODEL	SPI-4K-UP	SPI-5K-UP	SPI-6K-UP	SPI-6.5K-UP
<b>INVERTER OUTPUT</b>				
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			
<b>BATTERY</b>				
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
<b>PV INPUT</b>				
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			
<b>UTILITY / GENERATOR INPUT</b>				
Input Voltage Range	65~140Vac			
Frequency Range	50/60Hz			
Bypass Overload Current	40A			
<b>EFFICIENCY</b>				
MPPT Tracking Efficiency	99.90%			
Max. Battery Inverter Efficiency	93%			
<b>GENERAL</b>				
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			
<b>COMMUNICATION</b>				
Embedded Interfaces	RS485/CAN/USB/dry contact			
External Modules (Optional)	Wi-Fi/GPRS			
<b>CERTIFICATION</b>				
Safety	IEC62109-1, IEC62109-2, and UL1741			
EMC	EN61000-6-1, EN61000-6-3, and FCC 15 class B			
RoHS	Yes			