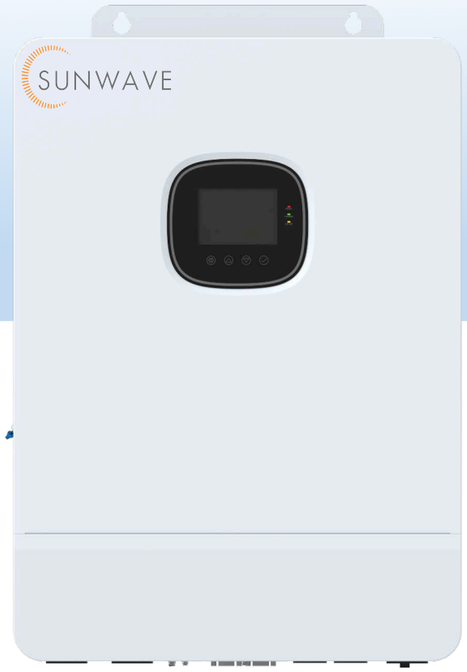
SUNWAVE



SPI Series

Solar storage inverter

Efficiency

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

Reliable

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

Safety

- Comprehensive security from hardware to software
- Multiple safety approvals

User-friendly

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

All-in-one

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

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-10K-UP	SPI-8K-UP	Can Be Set
INVERTER OUTPUT			
Rated Output Power	10,000W	8,000W	
Max. Peak Power	20,000W	16,000W	
Rated Output Voltage	120Vac, single-phase / 240Vac, split-phase/three-phase, be paralleled		✓
Load Capacity of Motors	6HP	5HP	
Rated AC Frequency	50/60Hz		✓
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		
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℃, >45℃ derated		
Noise	<60dB		
Cooling Method	Internal Fan		
Warranty	24 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		