



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				
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	18 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		