

OFF GRID

Split Phase Inverter

SPI Series 6.5K 8K 10K



Features

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
- Support Li-ion battery BMS communication

Reliable

- Outputs high quality pure sine wave AC power
- Up to 10kW output power

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 SERIES

PRODUCT DESCRIPTION

	SPI-6.5K-UP	SPI-8K-UP	SPI-10K-UP
MODEL	SPI-6.5K-UP	SPI-8K-UP	SPI-10K-UP
INVERTER OUTPUT			
Rated Output Power	6500W	8,000W	10,000W
Max. Peak Power	13,000 VA	16,000W	20,000W
Rated Output Voltage	120,single-phase / 240V,split-phase		
Rated AC Frequency	50/60Hz		
Waveform	Pure sine wave		
Switch Time	10ms (typical value)		
Parallel Capacity	1~6 units		
BATTERY			
Battery Type	Lithium-ion battery/lead-acid battery user-defined battery	Li-ion / Lead-acid / User-defined	
Rated Battery Voltage	48Vdc		
Battery Voltage Range	40~60Vdc		
Max. Mains / Generator Charging Current	80A	100A	120A
Max. Hybrid Charging Current	140A	180A	200A
PV INPUT			
Num. of MPPT Trackers	2		
Max. PV Array Power	5000W+5000W	5,500W+5,500W	
Max. Input Current	18+18A	22A+22A	
Max. Open Circuit Voltage	550Vdc+550Vdc	500Vdc+500Vdc	
MPPT Voltage Range	150~450Vdc	125~425Vdc	
MAINS / GENERATOR INPUT			
Input Voltage Range	65~140Vac	90~140Vac	
Frequency Range	50/60Hz		
Bypass Overload Current	40A	63A	
EFFICIENCY			
MPPT Tracking Efficiency	99.90%		
Max. Battery Inverter Efficiency	93%	92%	
GENERAL			
Dimension	584.6*410*133 mm	620*445*130mm	
Weight	18.9 kg	27kg	
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		
COMMUNICATION			
Embedded Interfaces	RS485/CAN/USB/dry contact		
External Modules (optional)	Wi-Fi / GPRS		
CERTIFICATION			
Safety	IEC62109-1, IEC62109-2, and UL1741		
EMC	EN61000-6-1, EN61000-6-3, and FCC 15 class B		
Rohs	Yes		