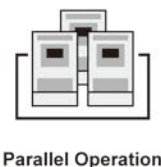


SP5000 ~ 8000 IP Plus

SP IP Plus Series

Outdoor Hybrid Solar Inverter



Features

- High PV input voltage range
- Feasible for without-battery operation
- Grid feed-in Function (only for SP5000 IP Plus)
- Selectable high power charging current
- Compatible with mains or generator power
- Overload and short circuit protection
- Smart battery charger design for battery performance optimization
- Cold start function
- IP 65 design
- Support parallel operation

Specifications

MODEL	SP5000 IP Plus	SP8000 IP Plus
Rated Power	5000VA/5000W	8000VA/8000W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/ 60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%	
Surge Power	10000VA	16000VA
Peak Efficiency	Battery - DC to AC	93%
	Grid Tie - DC to AC	96%
Transfer Time	10 ms (For Personal Computers)	
	20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	63 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Maximum PV Array Power	6000W	8000W
Maximum PV Array Open Circuit Voltage	500VDC	500VDC
PV Array MPPT Voltage Range	120~450VDC	90~450VDC
Maximum Solar Input Current	27A	18A × 2
Maximum Solar Charging Current	80A	
Maximum AC Charging Current	80A	
Maximum Charging Current	80A	
PHYSICAL		
Dimension (D × W × H)	200 × 350 × 593mm	
Net Weight	20kgs	18.4kgs
Communication Port	RS232/USB/Dry-contact/BMS	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-25°C ~ 50°C	-10°C ~ 50°C
Storage Temperature	-25°C ~ 60°C	-15°C ~ 60°C

Specifications are subject to change without notice.

