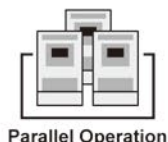


SP6000-8000 IP Plus

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 SP6000 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 | SP6000 IP Plus | SP8000 IP Plus |
|--|--|----------------|
| Rated Power | 6000VA/6000W | 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 | 12000VA | 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 | 6500W | 8000W |
| Maximum PV Array Open Circuit Voltage | 550Vdc | 500Vdc |
| PV Array MPPT Voltage Range | 120~450Vdc | 90~450Vdc |
| Maximum Solar Input Current | 27A | 18A×2 |
| Maximum Solar Charging Current | 120A | 150A |
| Maximum AC Charging Current | 120A | 120A |
| Maximum Charging Current | 120A | 150A |
| Maximum PV Input Current | 27A | |
| Maximum PV Input Short Circuit Current | 30A | |
| PHYSICAL | | |
| Dimension (D × W × H) | 200×360×665 mm | 200×360×665 mm |
| Net Weight | 22.5kgs | 32kgs |
| 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.

