

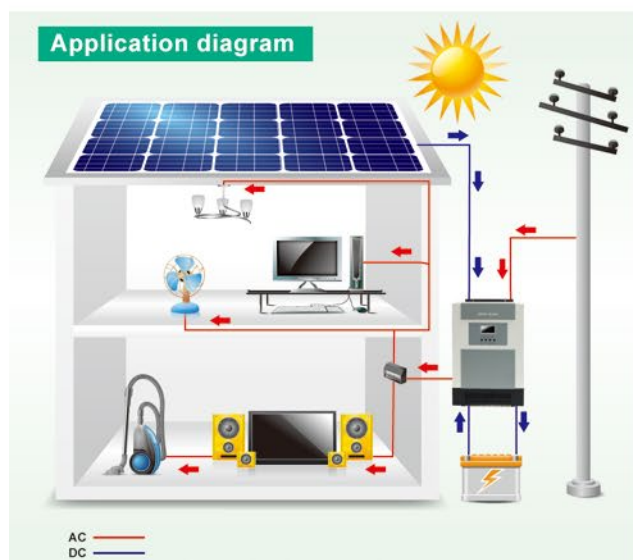
SP Brilliant Ultra Series

SP Brilliant Ultra series provides a friendly PV power integration with a PV maximum charging current that reaches up to 80A or 120A.

Enjoy more solar energy with a simple solution.

Features

- Pure sine wave inverter
- Built-in solar charger: PWM/MPPT
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority
- Compatible with mains or generator power
- Auto-restart as AC recover
- Overload and short circuit protection
- Smart battery charger design for battery performance optimization
- Cold start function
- Parallel application (optional)
- Operation without battery



Specifications

| MODEL | SP5000 Brilliant Ultra |
|---------------------------------------|--|
| Rated Power | 6000VA/6000W |
| 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 |
| Peak Efficiency | 90% |
| Transfer Time | 10 ms (For Personal Computers) 20 ms (For Home Appliances) |
| Waveform | Pure sine wave |
| Overload Capacity | 10s for 110%~150% load 5s for ≥150% load |
| BATTERY | |
| Battery Voltage | 48 VDC |
| Floating Charge Voltage | 54 VDC (maximum 58Vdc) |
| Low Battery Alarm Voltage | 42 VDC |
| Shutdown Voltage | 40 VDC |
| Overcharge Protection | 60 VDC (maximum 66 VDC) |
| Reverse Polarity Protection | Yes |
| SOLAR CHARGER & AC CHARGER | |
| PV Maximum Input power | 6000W |
| Maximum PV Array Open Circuit Voltage | 500Vdc |
| PV Array MPPT Voltage Range | 120~430Vdc |
| Maximum Solar Charging Current | 120A |
| Maximum AC Charging Current | 120A |
| Maximum Charging Current | 120A |
| PHYSICAL | |
| Dimension (D×W×H) | 120×295×468mm |
| Net Weight | 11kgs |
| OPERATING ENVIRONMENT | |
| Humidity | 5% to 95% Relative Humidity (Non-condensing) |
| Operating Temperature | 0°C - 55°C |
| Storage Temperature | -15°C - 60°C |

Specifications are subject to change without notice.

* SP5000 Brilliant Ultra can be installed in parallel with maximum up to 9 units, and total capacity can reach 45KVA (Transfer time is 30ms in parallel operation)