

SP6000 Brilliant Ultra II

## SP Brilliant Ultra II Series

SP6000 Brilliant Ultra II provide the integration of MPPT solar charger & utility charger.

The Hybrid operation allows it smoothly transferred between Solar & Utility power source.

To effectively gain the solar in safety & friendly way.



4.3" Color LCD Touchable Button



BMS



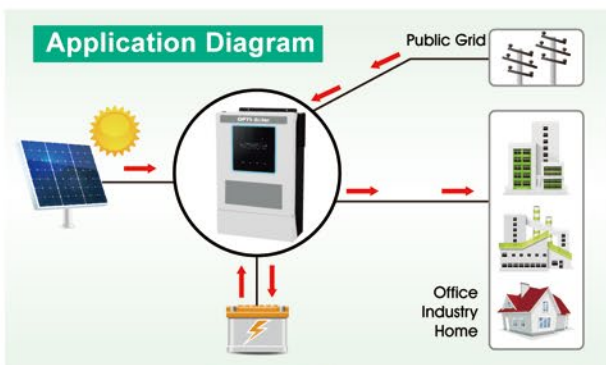
Wi-Fi



Parallel Operation

### Features

- Pure sine wave inverter
- Built-in MPPT solar charger
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar charging priority
- Compatible to mains voltage or generator power
- Touchable Button with 4.3" colorful LCD
- Overload and short circuit protection
- Smart battery charger design for battery performance optimization
- Dual Output Design
- Built-in Parallel application
- Operation without battery



### Specifications

MODEL	SP6000 Brilliant Ultra II
Rated Power	6000VA/6000W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	12000VA
Peak Efficiency	93%
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
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC (maximum 58Vdc)
Low Battery Alarm Voltage	42 VDC
Shutdown Voltage	40 VDC
Overcharge Protection	66 VDC
Reverse Polarity Protection	Yes
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Maximum PV Array Open Circuit Voltage	500Vdc
PV Max. Input Power	6000W
PV Max. Input Current	27A
PV Array MPPT Voltage Range	120~430Vdc
Maximum Solar Charging Current	120A
Maximum AC Charging Current	120A
Maximum Charging Current	120A
Maximum PV Input Current	27A
Maximum PV Input Short Circuit Current	30A
<b>PHYSICAL</b>	
Dimension (D×W×H)	120 × 295 × 468mm
Net Weight	12kgs
<b>OPERATING ENVIRONMENT</b>	
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.

OPTI-Solar Asia:  
Tel: +886-2-2246-7272  
Fax: +886-2-2246-7312

OPTI-Solar USA:  
Tel: +1-909-869-5700  
Fax: +1-909-869-5730

OPTI-Solar Middle East:  
Tel: +9714-8819-838  
Fax: +9714-8819-938

OPTI-Solar Europe B.V.:  
Tel: +31-40-2628050