

SP3000 Brilliant~ 5000 Brilliant

SP Brilliant Series

Features

- Pure sine wave inverter
- Parallel connection capability (Optional for SP5000 Brilliant)
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority
- Compatible to mains voltage or generator power
- Auto restart as AC recovers
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



SP3000 Brilliant



SP5000 Brilliant



Specifications

MODEL	SP3000 Brilliant	SP5000 Brilliant
Rated Power	3000VA/2400W	5000VA/4000W
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	6000VA	10000VA
Peak Efficiency	90% ~ 93%	
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	
Low Battery Alarm Voltage	42 VDC	
Shutdown Voltage	40 VDC	
Overcharge Protection	60 VDC	
Maximum Utility Charging Current	15 A	60 A
SOLAR CHARGER		
Maximum PV Rated Power	3000W	4000W
Maximum PV Array Open Circuit Voltage	145Vdc	
MPPT Operation Voltage Range	60~115Vdc	
Maximum Charging Current	60A	80A
Standby Power Consumption	2W	
JOINT UTILITY AND SOLAR CHARGING		
Maximum Charging Current	60A	140A
PHYSICAL		
Dimension (D×W×H)	140×295×479mm	120×295×468mm
Net Weight	11.5kgs	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 can be installed in parallel, and total capacity can reach 30KVA (Transfer time is 30ms in parallel operation)

