

SP2000 ~ SP5000 Brilliant Grid

SP Brilliant Grid

SP Brilliant Grid provide hybrid configuration of PV & Utility.

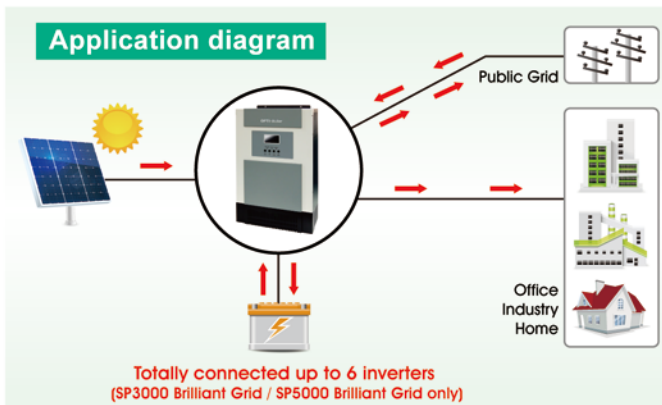
With grid feed-in function, people can enjoy the extremely flexible power.



Automatically find the most simple and economical operation.

Features

- Pure sine wave output
- Feed-in to the grid function
- Programmable supply priority for PV, Battery or Grid
- Adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-Grid and Grid-tie with backup
- Monitoring software for real-time status display and control
- Parallel operation up to 6 units (3kva & 5kva model only)
- Built-in 1 or 2 strings of MPPT solar charge controller
- Compatible to mains utility or generator power



Specifications

MODEL	SP2000 Brilliant Grid	SP3000 Brilliant Grid	SP5000 Brilliant Grid
RATED OUTPUT POWER	2000W	3000W	5000W
PV INPUT (DC)			
Max. PV Power	2000W	4000W	6000W
Max. PV Array Open Circuit Voltage	145 VDC	145 VDC	145 VDC
MPPT Range @ Operating Voltage	30 VDC~115 VDC	60 VDC~115 VDC	60 VDC~115 VDC
Number of MPP Tracker	1	1	2
GRID-TIE OPERATION			
GRID OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Voltage Range	184 - 265 VAC		
Nominal Output Current	8.7A	13A	21.7A
Power Factor Range	>0.99		
Maximum Conversion Efficiency (DC to AC)	90%		
OFF-GRID, HYBRID OPERATION			
GRID INPUT			
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
Rating of AC Transfer Relay	30A	40A	
BATTERY MODE OUTPUT (AC)			
Nominal Output Voltage	220/230/240 VAC		
Output Waveform	Pure Sine Wave		
Efficiency (DC to AC)	93%		
BATTERY & CHARGER			
Nominal DC Voltage	24 VDC	48 VDC	48 VDC
Maximum Charging Current (from Grid)	60A		
Maximum Charging Current (from PV)	80A	80A	120A
Maximum Charging Current	140A	140A	180A
GENERAL			
Dimension (D×W×H)	100×300×440 mm	120×295×468 mm	190×295×483 mm
Net Weight	8kgs	11kgs	16kgs
INTERFACE			
Parallel-able	None	Yes	
Communication	USB or RS232/Dry-Contact		
ENVIRONMENT			
Humidity	0 ~ 90% RH (No condensing)		
Operating Temperature	0 to 50°C		

Specifications are subject to change without notice.

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