

SP5000 Efecto/Brilliant/Brilliant Plus/Brilliant Ultra

SP Efecto/Brilliant Series

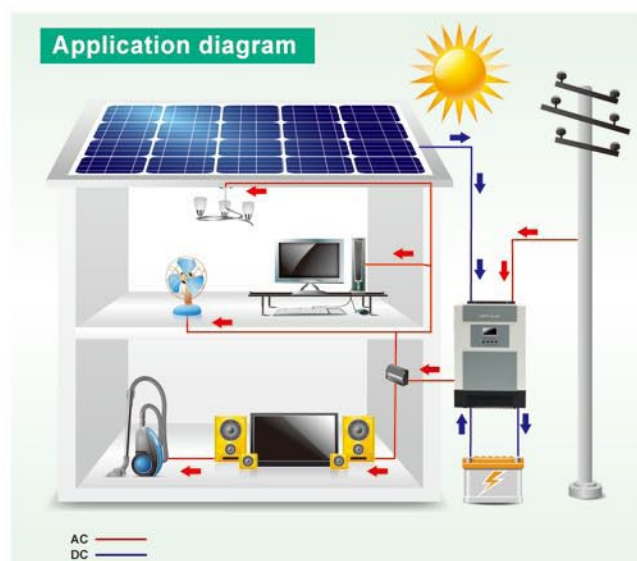
SP Efecto/Brilliant Series provide the integration of friendly PV energy

The PV maximum charging current will reach up to 80A or 120A.

Enjoy more solar energy with a simply 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 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
- Parallel application (optional)
- Operation without battery (Brilliant Ultra only)



Specifications

MODEL	SP5000 Efecto	SP5000 Brilliant	SP5000 Brilliant Plus	SP5000 Brilliant Ultra
Rated Power	5000VA/5000W			
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	93%		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	2500W	4000W	6000W	4500W
Maximum PV Array Open Circuit Voltage	100Vdc	145Vdc		450Vdc
Operation Voltage Range	60~90Vdc	N/A		
PV Array MPPT Voltage Range	N/A	60~115Vdc		120~430Vdc
Maximum Solar Charging Current	50A	80A	120A	80A
Maximum AC Charging Current	60 A			80 A
Maximum Charging Current	110A	140A	180A	80A
PHYSICAL				
Dimension (D×W×H)	110 x 300 x 455mm	120 x 295 x 468mm	186 x 295 x 507mm	120 x 295 x 468mm
Net Weight	8.5kgs	11kgs	16kgs	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.

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

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