

SP3000 Power-P / Power-M

SP Power Series

*The system is designed for 120V to provide more choices.
Friendly solutions that shall help reduce on the electricity bill.
Built-in AC charger and PV solar charge controllers.
Parallel operation with up to 6 units.*

Features

- Pure sine wave inverter
- Built-in PWM or 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 via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function

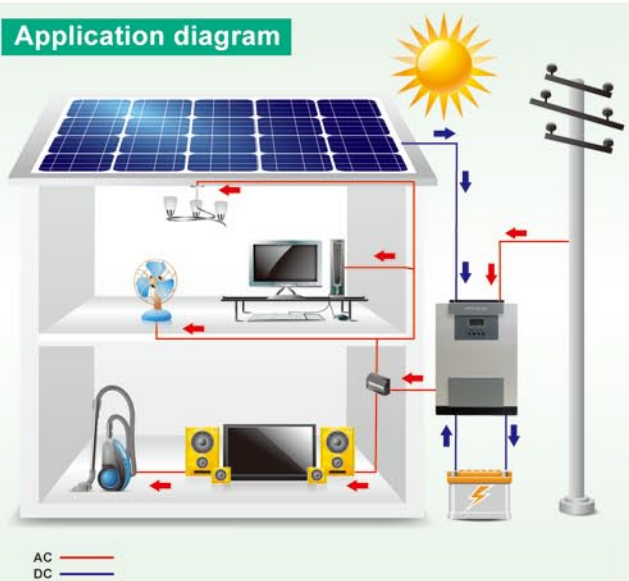


Specifications

MODEL	SP3000 Power-P	SP3000 Power-M
Rated Power	3000VA/2400W	
INPUT		
Voltage	110/120VAC	
Selectable Voltage Range	95-140 VAC (For Personal Computers) 65-140 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	120VAC ± 5%	
Surge Power	6000VA	
Peak Efficiency	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	
Floating Charge Voltage	27 VDC	
Low Battery Alarm Voltage (load ≥ 50%)	21.2VDC	
Shutdown Voltage (load ≥ 50%)	19.2 VDC	
Overcharge Protection	33 VDC	
Maximum Utility Charging Current	60A	
SOLAR CHARGER		
Maximum PV Rated Power	1250W	2000W
Maximum PV Array Open Circuit Voltage	105Vdc	145Vdc
Operation Voltage Range	30~40Vdc	N/A
MPPT Operation Voltage Range	N/A	30~115Vdc
Maximum Charging Current	50A	80A
Standby Power Consumption	2W	
JOINT UTILITY AND SOLAR CHARGING		
Maximum Charging Current	110A	140A
PHYSICAL		
Dimension (D×W×H)	120×295×468 mm	
Net Weight	11kgs	11.5kgs
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.

Application diagram



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