

SP3000 Power-P / Power-M

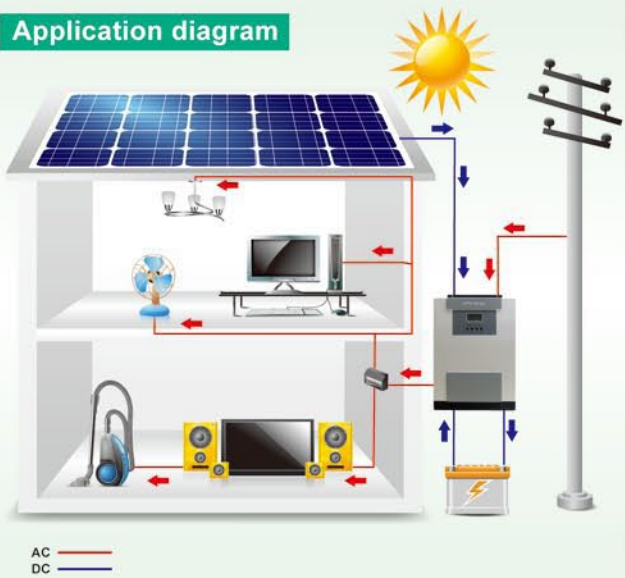
## SP Power Series

*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 charger 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

### Application diagram



### Specifications

MODEL	SP3000 Power-P	SP3000 Power-M
Rated Power	3000VA/2400W	
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
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	
<b>BATTERY</b>		
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	
<b>SOLAR CHARGER</b>		
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	
<b>JOINT UTILITY AND SOLAR CHARGING</b>		
Maximum Charging Current	110A	140A
<b>PHYSICAL</b>		
Dimension (D×W×H)	120×295×468 mm	
Net Weight	11kgs	11.5kgs
<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.

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