

SP3000 Power-P/M ~ 5000 Power-M

# SP Power Series

The system is designed for 120V voltage system.

Friendly solutions that shall help reduce on the electricity expense.

Built-in AC charger and PV solar charger controllers.

### 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
- Parallel operation up to 6pcs(SP3000 Power-P/M only) & 3pcs (SP5000 Power-M only)
- Dual L phase design for 208V/120V input/output (SP5000 Power-M only)



SP3000 Power-P/M



SP5000 Power-M

### Specifications

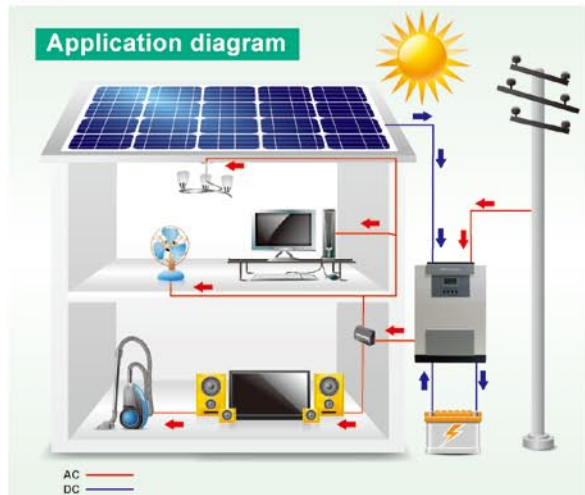
MODEL	SP3000 Power-P	SP3000 Power-M	SP5000 Power-M
<b>Rated Power</b>	3000VA/2400W	3000VA/2400W	5000VA/5000W
<b>INPUT</b>			
<b>Voltage</b>	110/120VAC		110/120VAC(L-N) & 208/240VAC(L-N-L)
<b>Selectable Voltage Range</b>	90-140 VAC (For Personal Computers) 60-140 VAC (For Home Appliances)		
<b>Frequency Range</b>	50 Hz/60 Hz (Auto sensing)		
<b>OUTPUT</b>			
<b>AC Voltage Regulation (Batt. Mode)</b>	110/120VAC ± 3%		110/120VAC(L-N) ± 3% & 208/240VAC (L-N-L) ± 3%
<b>Surge Power</b>	6000VA		10000VA
<b>Peak Efficiency</b>	90%		
<b>Transfer Time</b>	10 ms (For Personal Computers) 20 ms (For Home Appliances)		10 ms (For Personal Computers) (L-N-L) 20 ms (For Home Appliances) (L-N-L) 30ms (L-N)
<b>Waveform</b>	Pure sine wave		
<b>BATTERY</b>			
<b>Battery Voltage</b>	24 VDC		48VDC
<b>Floating Charge Voltage</b>	27 VDC		54VDC
<b>Overcharge Protection</b>	33 VDC		60VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
<b>Maximum PV Array Power</b>	1250W	2000W	8000W
<b>Maximum PV Array Open Circuit Voltage</b>	105Vdc	145Vdc	
<b>PV Array MPPT Voltage Range</b>	30~80Vdc		N/A
<b>PV Array MPPT Voltage Range</b>	N/A	60~115Vdc	
<b>Maximum Solar Charging Current</b>	50A	80A	80A×2
<b>Maximum AC Charging Current</b>	60A	60A	60A
<b>Maximum Charging Current</b>	110A	140A	220A
<b>PHYSICAL</b>			
<b>Dimension (D×W×H)</b>	120×295×468mm		130×623×610mm
<b>Net Weight</b>	11kgs	11.5kgs	30kgs
<b>OPERATING ENVIRONMENT</b>			
<b>Humidity</b>	5% to 95% Relative Humidity (Non-condensing)		
<b>Operating Temperature</b>	-10°C ~ 55°C		
<b>Storage Temperature</b>	-15°C ~ 60°C		

Specifications are subject to change without notice.

### Operation Diagram (SP5000 Power-M Only)



### Application diagram



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