

## Pure Sine Wave Hybrid inverter With Solar Controller



### Features:

- Perfect sine waveform output (Specially designed to start up inductive loads such as refrigerators, motors, pumps, compressors and laser printers as well as electronic loads like TVs, Computers, power tool, etc.)
- Built-in PWM(50A)/MPPT(25A-80A) solar charge controller.
- Built-in AC charger 30A-60A
- Selectable AC input voltage:170V-280V,90V-280V @50Hz/60Hz auto Sensing
- Cold start functionality(Be able to give output with full load connected without AC mains present.)
- AC and solar input priority can be manually configured.
- Compatible to AC mains input and generator voltage input.
- Transformerless design provides reliable power conversion in compact size.

### Technical Data

Model.	S-MPS 2K-24	S-MPS 3K-24	S-MPS 5K-48	
Rated Power	1000VA/800W	3000VA/2400W	5000VA/4000W	
<b>INPUT</b>				
Voltage	230 VAC			
Selectable Voltage Range	170-280 VAC (For Personal Computers) 9 0 -280 VAC (For Home Appliances)			
Frequency Range	50 Hz/60 Hz (Auto sensing )			
<b>OUTPUT</b>				
AC Voltage Regulation ( Batt. Mode)	230VAC ±5%			
Surge Power	2000VA	6000VA	10000VA	
Efficiency(Peak)	90%-93%	93%		
Transfer	10 ms (For Personal Computers) 20 ms (For Home Appliances )			
Waveform	Pure sine wave			
<b>BATTERY &amp; AC CHARGER</b>				
Battery Voltage	24 VDC	24 VDC	48 VDC	
Floating Charge Voltage	27 VDC	27 VDC	54 VDC	
Overcharge Protection	31 VDC	31 VDC	60 VDC	
Maximum Charge Current	10A/20A	2 0 A or30A	10A /20A /30A /40A /50A /60A	
<b>SOLAR CHARGER</b>				
Maximum PV Array Power	600 W	600W	1500W	4000 W
MPPT Range @Operating Voltage	30VDC - 66VDC	30VDC - 66VDC	30VDC - 115VDC	60VDC ~ 115VDC
Maximum PV Array Open Circuit Voltage	75 VDC	75 VDC	145 VDC	145 VDC
Maximum Charging Current	25A	25A	60A	60A/80A
Maximum Efficiency	98%			
Standby Power Consumption	2W			

<b>PHYSICAL</b>			
Dimension, D*W*H(mm)	128x272x355	140x295x540	
<b>OPERATING ENVIRONMENT</b>			
Humidity	5% to 95% Relative Humidity (Non - condensing )		
Operating Temperature	0° C - 55°C		
Storage Temperature	-15°C - 60°C		
Product specifications are subject to change without further notice.			
<b>MODEL</b>	MPS-1K-24	M PS-3K-24	MPS-5K-48
Maximum Charge Current	800W	2400W	
Pmax. gen era ted from solar charger	25Amp 600W	25Amp 600W	60Amp 1500W
Best Panel C o n fig u ration	500W p (2 50W px2pcs)	500Wp (250Wpx2pcs)	1500Wp (250Wpx6pcs)
Weight (kg)	8	10	13

<b>Ordering information</b>			
Model.	S-MPS 2K	S-MPS 3K	S-MPS 5K
Part No.	606403	606404	606405
Warranty	1 year from Delivery date		
Packing unit	1 pc(s).		

## Contact us

You can find the address of your local sales organisation on the home page



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