

MPS SERIES Specification

MODEL	MPS 1K-24	MPS 1K-48	MPS 2K-24	MPS 3K-24	MPS 3K-48	MPS 4K	MPS 5K
Rated Power	1000VA/800W	1000VA/1000W	2000VA/1600W	3000VA/2400W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT							
Voltage	120 VAC or 230 VAC		230 VAC				
Selectable Voltage Range	95-140 VAC or 170-280 VAC (For Personal Computers) 65-140 VAC or 90-280 VAC (For Home Appliances)		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)	110/120 VAC ± 5% (User selectable) or 230VAC ± 5%		230VAC ± 5%				
Surge Power	2000VA	4000VA	6000VA	8000VA	10000VA		
Efficiency(Peak)	90% -93%		93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
BATTERY & AC CHARGER							
Battery Voltage	24 VDC	48 VDC	24 VDC	24 VDC	48 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	27 VDC	54 VDC	54 VDC	
Overcharge Protection	31 VDC	62 VDC	31 VDC	31 VDC	62 VDC	60 VDC	
Maximum Charge Current	0A or 10A/20A*	0A or 10A/15A*	20A or 30A	20A or 30A	10A or 15A	60A	
PHYSICAL							
Maximum PV Array Power	600 W	900 W	600 W	600 W	900 W	3000 W	
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	60VDC ~ 80VDC	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 88VDC	60VDC ~ 115VDC	
Maximum PV Array Open Circuit Voltage	75 VDC	75 VDC	75 VDC	75 VDC	102 VDC	145 VDC	
Maximum Charging Current	25A	20A	25A	25A	18A	60A	
Maximum Efficiency	98%						
Standby Power Consumption	2W						
OPERATING ENVIRONMENT							
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.

MODEL	MPS 1K-24	MPS 1K-48	MPS 2K-24	MPS 3K-24	MPS 3K-48	MPS 4K	MPS 5K
Inverter Power	800W	1000W	1600W	2400W	2400W	3200W	4000W
Pmax. generated from solar charger	25Amp, 600W	20Amp, 900W	25Amp, 600W	20Amp, 900W	20Amp, 900W	60Amp, 3000W	60Amp, 3000W
Best Panel Configuration	500Wp (250Wp x 2pcs)	1000Wp (250Wp x 2pcs)	500Wp (250Wp x 2pcs)	500Wp (250Wp x 2pcs)	1500Wp (250Wp x 6pcs)	3000Wp (250Wp x 12pcs)	3000Wp (250Wp x 12pcs)