OMEGA PMS
Off-Grid



- Pure sine wave inverter
- Built-in MPPT solar charge controller
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Cofigurable 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 with up to 6 units only available for 4KVA/5KVA
- Optional remote panel available

MODEL	OMEGA PMS 1K-24	OMEGA PMS 1K-48	OMEGA PMS 2K-24	OMEGA PMS 3K-24	OMEGA PMS 3K-48	OMEGA PMS 4K	OMEGA PMS 5K
Rated Power	1000VA/800W	1000VA/1000W	2000VA/1600W	3000VA/2400W	3000VA/2400W	4000VA/3200W	5000VA/4000W
INPUT							
Voltage	230 VAC						
Selectable Voltage Range	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)	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							
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	
SOLAR CHARGER & AC CHARGER							
Maximum PV Array Power	600W	900W	600W	600W	900W	4000W	
MPPT Range @ Operating Voltage	30VDC ~ 66VDC	60VDC ~ 88VDC	30VDC ~ 66VDC	30VDC ~ 66VDC	60VDC ~ 88VDC	60VDC ~115VDC	
Maximum PV Array Open Circuit Voltage	75VDC	102VDC	75VDC	75VDC	102VDC	145 VDC	
Maximum Solar Charge Current	25A	18A	25A	25A	18A	80A	
Maximum AC Charge Current	20A	15A	30A	30A	15A	60 A	
Maximum Charge Current	25A	18A	30A	30A	18A	140A	
	AC charger and solar charger can't work at the same time.						
Maximum Efficiency	98%						
Standby Power Consumption	2 W						
PHYSICAL							
Dimension, D x W x H (mm)	100 x 272 x 355					120 x 295 x 468	
Net Weight (kgs)	6.8		7.0	7.4		11	
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