

OMEGA MP/MM

Off-Grid



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- 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 up to 6 units

MODEL	OMEGA MP-3K-24	OMEGA MM-3K-24	OMEGA MP-5K-24	OMEGA MM-5K-24
Rated Power	3000VA/2400W		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	6000VA		10000VA	
Efficiency (Peak)	90%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Parallel units	6			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC			
Floating Charge Voltage	Default 24 VDC; Maximum 30 VDC			
Overcharge Protection	32 VDC			
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	PWM	MPPT	PWM	MPPT
Maximum PV Array Open Circuit Voltage	75 VDC	100 VDC	105 VDC	145 VDC
Maximum Solar Charge Current	50A	40A	50A	60A
Maximum AC Charge Current	60A			
Maximum Charge Current	110A	100A	110A	120A
PHYSICAL				
Dimension, D X W X H (mm)	100x272x355		180x310x475	
Net Weight (kgs)	7.0	7.5	11.5	12.5
Communication Interface	USB & RS232			
OPERATING ENVIRONMENT				
Humidity	5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature	-10 °C to 50 °C			
Storage Temperature	-15 °C to 60 °C			

Product specifications are subject to change without further notice