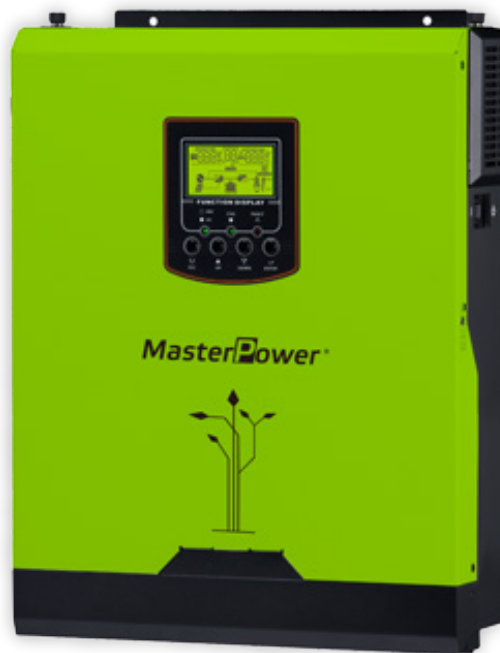


Omega Series UM v2 5K OFF-GRID INVERTER



Features

- Pure sine wave solar inverter.
- Reserved communication port for BMS.
- Wide PV input range, starts from 30 VDC for 1.2K/2.5K/3K-24V models.
- Battery independent design.
- Maximum charging current 100 A.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Built-in anti-dust kit.

Technical Specifications

Rated Power	5000 VA/5000 W
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)	230 VAC \pm 5%
Surge Power	10000 VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
No Load Consumption	40 W
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC

Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5000 W
Maximum PV Input Current	18 A
MPP Range @ Operating Voltage	120 ~ 450 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
Maximum Charge Current	100 A
PHYSICAL	
Dimension, (D x W x H)	120 x 300 x 440 mm
Net Weight	10.0 kg
Communication Interface	RS232 / RS485, optional Wi-Fi
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.