

## Omega Series UM v3 5K-48 OFF-GRID INVERTER



### Features

- LCD Display Panel.
- Detachable LCD control module with various communications.
- Integrated Bluetooth interface with Android App.
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS.
- Supports USB On-the-Go function.
- Battery equalization extends lifecycle.
- Autonomous inverter.
- User-friendly LCD operation.
- Replaceable fan design.

### Technical Specifications

Rated Power	5000 VA / 5000 W
<b>INPUT</b>	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC (For Personal Computers); 90 - 280 VAC (For Home Appliances)
Frequency Range	50 / 60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Power	10000 VA
Efficiency (Peak)	90 ~ 93%
Transfer Time	15 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
No Load Consumption	40 W
<b>BATTERY</b>	
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
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Minimum Required Start-up Voltage	180 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	60 A
Maximum Charge Current	80 A
PHYSICAL	
Dimension, (D x W x H)	115 x 300 x 400 mm
Net Weight (kg)	10.0 kg
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
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.*