

## Omega Series TOP 3K-48 OFF-GRID INVERTER



### Features

- 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.
- 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.

### Technical Specifications

Rated Power	3000 VA / 3000 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	6000 VA
Efficiency (Peak)	90 - 93%
Transfer Time	10 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	62 VDC

### Technical Specifications

SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3000 W
MPPT Range @ Operating Voltage	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	60 A
Maximum AC Charge Current	10 A or 15 A (Selectable)
Maximum Charge Current	75 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
PHYSICAL	
Dimension, (D x W x H)	140 x 295 x 479 mm
Net Weight	11.5 Kg
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.