

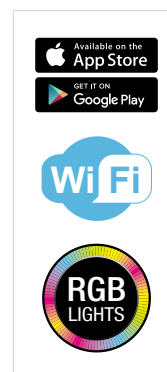
OFF-GRID

Omega Series

PMS v4 3K-48

OFF-GRID INVERTER

MasterPower
Unlimited power



Features

- Pure sine wave MPPT solar inverter.
- Customizable status LED ring with RGB lights.
- Touchable button with 4.3" colored LCD.
- Wide DC input range.
- Supports USB On-the-Go function.
- Data log events stored in the inverter.
- Built-in Wi-Fi for mobile monitoring (App is available).
- Reserved communication port for BMS.
- Battery independent function.
- Parallel operation with up to 9 units.

User-programmable RGB lighting for different operation mode



Pink Orange Yellow Green Blue Sky Blue Purple

Three lighting effects



Cycling

Quickly scrolling with a color of your choice in a continuous circular motion.



Wheel

Illuminates with twinkling lights in a color of your choice.



Chasing

Radiates your selected color upward from the bottom of the ring.

Technical Specifications

Rated Power	3600 VA / 3600 W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC (For Personal Computers); 90 - 280 VAC (For Home Appliances)
Frequency Range	55 Hz / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Overload Capacity	5 s @ \geq 150% load; 10 s @ 110% ~ 150% load; 100 ms @ \geq 200% load
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	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	5000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Minimum Required Start-up Voltage	180 VDC
Max. PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
PHYSICAL	
Dimension, (D x W x H)	140 x 295 x 468 mm
Net Weight	11.0 kg
Communication Interface	USB / RS232 / RS485 / WiFi / Dry-contact
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.



Paseo de Extremadura, 39 - 28935 Móstoles - Madrid (Spain)
Tel. +34 918 021 649 - Fax. +34 917 750 542
info@masterbattery.es - www.masterbattery.es/en

