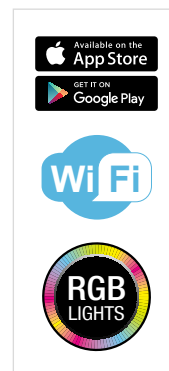


# OFF-GRID

**MasterPower**  
Unlimited power

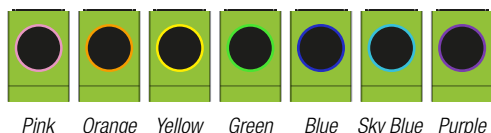
## Omega Series PMS v4 3K-48 OFF-GRID INVERTER



### 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
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
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
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Power	5000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Max. PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	100 A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kg)	11.0
Communication Interface	USB / RS232 / RS485 / WiFi / Dry-contact
<b>ENVIRONMENT</b>	
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.

**MASTER  
BATTERY**



Área Industrial La Dehesa - C/ Dehesa Vieja, 2 - 28052 Madrid (Spain)  
Tel. (+34) 918 021 649 - Fax. (+34) 917 750 542  
info@masterbattery.es - www.masterbattery.es/en

