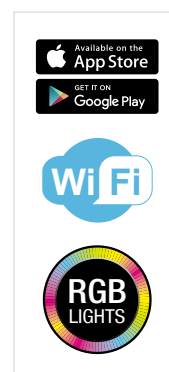


OFF-GRID

MasterPower
Unlimited power

Omega Series UM v4 5K-48 OFF-GRID INVERTER



Features

- Customizable status LED ring with RGB lights.
- Touchable button with 4.3" colored LCD.
- Built-in Wifi for mobile monitoring (App is available).
- Supports USB On-the-Go function.
- Data log events stored in the inverter.
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS.
- Battery independent design.
- Battery equalization extends lifecycle.
- User-friendly LCD operation.
- Enhanced charging power.
- Built-in anti-dust kit.

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	5600 VA / 5600 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	11200 VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	15 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	180 ~ 450 VDC
Max. PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	100 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	115 x 300 x 400
Net Weight (kg)	10.0
Communication Interface	USB / RS232 / RS485 / WiFi / 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.

MASTER
BATTERY



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