

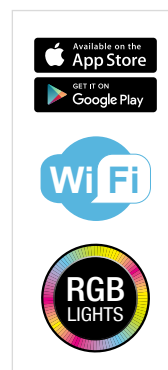
OFF-GRID

Omega Series

PMS v4 5K-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 | 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 | 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 | 75 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 | 6000 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 | 120 A |
| Maximum AC Charge Current | 120 A |
| PHYSICAL | |
| Dimension, (D x W x H) | 140 x 295 x 468 mm |
| Net Weight | 12.0 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.



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