OFF-GRID

MasterPower
Unlimited power

Omega Series
PMS v4 5K-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	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 ± 5%
Overload Capacity	5 s @ ≥ 150% load; 10 s @ 110% ~ 150% load; 100 ms @ ≥ 200% load
Efficiency (Peak)	93%
Transfer Time	10 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	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 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 (mm)	140 x 295 x 468
Net Weight (kg)	12.0
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.