

Omega Series PRO v2 10K-48 OFF-GRID INVERTER



Features

- IP20.
- Customizable status LED bar with RGB lights.
- Touchable button with 5" colored LCD.
- Built-in Wi-Fi for mobile monitoring (Android / iOS Apps are available).
- Supports USB On-the-Go function.
- Reserved communication port for BMS (RS485, CAN-BUS or RS232).
- Replaceable fan design for ease of maintenance.
- Battery independent design.
- Configurable AC / PV output usage timer and prioritization.
- Selectable high power charging current.
- Selectable input voltage range for home appliances and personal computers.
- Compatible to Utility Mains or generator input.
- Built-in anti-dust kit.
- Optional DC output for DC fan, LED bulb, router and so on.
- Parallel operation with 6 units.

Technical Specifications

Rated Power	10000 VA / 10000 W
Parallel Capability	Yes, 6 units
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	20000 VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
DC Voltage (Optional)	12 VDC + 5%, 100 W
No Load Consumption	75 W
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC

Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	10000 W (5000 W x 2)
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Minimum Required Start-up Voltage	180 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum Current per MPPT	18 A
Maximum Solar Charge Current	150 A
Maximum AC Charge Current	150 A
Maximum Charge Current	150 A
PHYSICAL	
Dimension, (D x W x H)	158.4 x 503.6 x 530.8 mm
Net Weight	10.0 kg
Communication Interface	USB / RS232 / RS485 / Wi-Fi / 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
STANDARD	
Compliance Safety	CE

Product specifications are subject to change without further notice.