

Omega Series PRO 8K-48

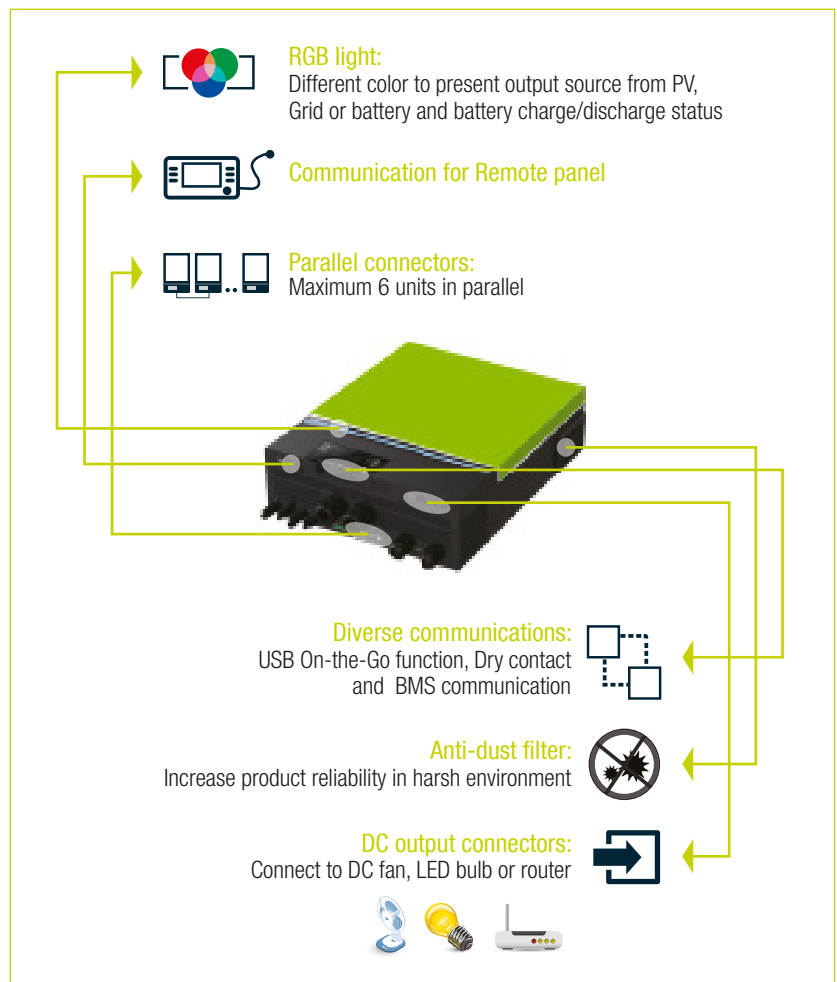
OFF-GRID INVERTER



Features

- Customizable status LED bar with RGB lights.
- Built-in wifi 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 up to 6 units.

Diagram



Technical Specifications

Rated Power	8000 VA / 8000 W
Parallel Capability	Yes, up to 6 units
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170 - 280 VAC (For Personal Computers); 90 - 280 VAC (For Home Appliances)
Frequency Range	50 / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%
Surge Power	16000 VA
Efficiency (Peak)	90 % ~ 93%
Transfer Time	15 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
Optional DC Voltage	12 VDC \pm 5%, 100 W
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 Open Circuit Voltage	500 VDC
Maximum PV Array Power	8000 W (4000 W x 2)
MPPT Range @ Operating Voltage	60 ~ 450 VDC
Minimum Required Start-up Voltage	180 VDC
Maximum Solar Charge Current	120 A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimensions, (D x W x H)	147.4 x 432.5 x 553.6 mm
Net Weight	18.4 kg
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
STANDARD	
Compliance Safety	CE

Product specifications are subject to change without further notice.