

# OFF-GRID

# Omega Series PRO v2 8K-48

## OFF-GRID INVERTER

**MasterPower**  
Unlimited power



### Features

- IP65 waterproof and dustproof makes the inverter available for various working conditions.
- 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.
- Parallel operation with 6 units.

### Technical Specifications

Rated Power	8000 VA / 8000 W
Parallel Capability	Yes, 6 units
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Power	16000 VA
Efficiency (Peak)	90% ~ 93%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
No Load Power Consumption	< 60W
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	66 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger Type	MPPT
Maximum PV Array Power	8000 W (4000 W x 2)
MPPT Range @ Operating Voltage	90 ~ 450 VDC
Max. PV Array Open Circuit Voltage	500 VDC
Maximum Solar Charge Current	150 A
Maximum AC Charge Current	120 A
Maximum Charge Current	150 A
<b>PHYSICAL</b>	
Dimension, D x W x H (mm)	210 x 435 x 665
Net Weight (kg)	32
Communication Interface	USB / RS-232 / Dry Contact / RS485 / Wi-Fi / BMS
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C to 50°C
Storage Temperature	-15°C to 60°C
<b>STANDARD</b>	
Compliance Safety	CE

*Product specifications are subject to change without further notice.*



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