

Omega Series X 5K-48 OFF-GRID INVERTER



Features

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs.
- Removable LCD control module with multiple communications.
- Built-in Bluetooth for mobile monitoring (Android App is available).
- Supports USB On-the-Go function.
- Reserved communication port for BMS (RS485, CAN-BUS or RS232).
- Configurable AC/PV output usage timer and prioritization.
- Pure sine wave solar inverter.
- Selectable high power charging current.
- Wide DC input range.
- Compatible with mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart Battery charger design to optimize the battery's performance.
- Cold start function.
- Optional parallel operation up to 9 units.

Technical Specifications

Rated Power	5000 VA / 5000 W
Parallel Capability	Up to 9 units
INPUT	
Voltage	230 VAC
Voltage Range	110 - 280 VAC
Frequency Range	50 Hz / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation	230 VAC \pm 5%
Output THDv	\leq 3% for linear load, \leq 8% for non-linear load
Surge Power	10000 VA for 5 sec
Efficiency (Peak)	93% at Line Mode, 90% at Battery Mode
Transfer Time	0 ms
Waveform	Pure sine wave
No Load Consumption	40 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 Open Circuit Voltage	145 VDC
Maximum PV Array Power	4000 W
MPPT Range @ Operating Voltage	60 ~ 115 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	60 A
Maximum Charge Current	140 A
PHYSICAL	
Dimension, (D x W x H)	140 x 303 x 525 mm
Net Weight (kg)	13.5 kg
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C to 55°C
Storage Temperature	-15°C to 60°C

Product specifications are subject to change without further notice.