

Omega Series PMS 5K-48 Top OFF-GRID INVERTER



Features

- Sinewave high efficiency inverter charger.
- Output power factor 1.
- Maximum PV input power 6000 W.
- The load could be powered from Solar power and AC grid even the battery is not available.
- Built-in advanced DSP-controlled MPPT solar charge controller.
- Battery independent design.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Parallel operation with up to 9 units.

Technical Specifications

| | |
|------------------------------------|---|
| Rated Power | 5000 VA / 5000 W |
| 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% |
| Overload Capacity | 5s @ \geq 150% load; 10s @ 110% ~ 150% load; 100 ms @ \geq 200% load |
| Surge Power | 6000 VA |
| Efficiency (Peak) | 90% |
| Transfer Time | 10 ms (For Personal Computers); 20 ms (For Home Appliances) |
| 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 | 450 VDC |
| Maximum PV Array Power | 6000 W |
| MPPT Range @ Operating Voltage | 120 ~ 430 VDC |
| Minimum Required Start-up Voltage | 180 VDC |
| Maximum Solar Charge Current | 80 A |
| Maximum AC Charge Current | 80 A |
| Maximum Charge Current | 80 A |
| PHYSICAL | |
| Dimension, (D x W x H) | 120 x 295 x 468 mm |
| Net Weight | 11 Kg |
| Communication Interface | USB and RS232 |
| 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.