

Omega Series LV 3KP-24 LOW VOLTAGE INVERTER



Features

- Pure sine wave solar inverter.
- Built-in solar charge controller.
- Selectable input voltage range for home appliances and personal computers.
- Selectable charging current based on applications.
- Configurable AC/Solar input priority via LCD setting.
- Compatible to mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance.
- Parallel operation up to 6 units

Technical Specifications

| | |
|------------------------------------|--|
| Rated Power | 3000 VA / 2400 W |
| Parallel Capability | Yes, 6 units |
| INPUT | |
| Voltage | 110 VAC / 120 VAC |
| Selectable Voltage Range | 95 VAC ~ 140 VAC (For Personal Computers); 65 VAC ~ 140 VAC (For Home Appliances) |
| Frequency Range | 50 Hz / 60 Hz (Auto sensing) |
| OUTPUT | |
| AC Voltage Regulation (Batt. Mode) | 110 VAC / 120 VAC \pm 5% (User selectable) |
| 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 | 24 VDC |
| Floating Charge Voltage | 27 VDC |
| Overcharge Protection | 31 VDC |

Technical Specifications

| SOLAR CHARGER & AC CHARGER | |
|---------------------------------------|--|
| Solar Charger Type | PWM |
| Maximum PV Array Power | 1200 W |
| Operating Voltage Range | 30 VDC ~ 40 VDC |
| Maximum PV Array Open Circuit Voltage | 80 VDC |
| Maximum Solar Charge Current | 50 A |
| Maximum AC Charge Current | 60 A |
| Maximum Charge Current | 110 A |
| Maximum Efficiency | 98% |
| Standby Power Consumption | 2 W |
| PHYSICAL | |
| Dimension, (D x W x H) | 125 x 300 x 440 mm |
| Net Weight | 10.5 kg |
| 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.