

## Omega Series LV Plus 2K-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.

### Technical Specifications

|                                    |  |
|------------------------------------|--|
| Rated Power                        | 2000 VA / 1600 W   |
| Parallel Capability                | No   |
| <b>INPUT</b>                       |  |
| Voltage                            | 110 VAC / 120 VAC  |
| Selectable Voltage Range           | 95 VAC ~ 140 VAC (For Personal Computers);<br>65 VAC ~ 140 VAC (For Home Appliances) |
| Frequency Range                    | 50 Hz / 60 Hz (Auto sensing)   |
| <b>OUTPUT</b>                      |  |
| AC Voltage Regulation (Batt. Mode) | 110 VAC / 120 VAC $\pm$ 5%<br>(User selectable)                                      |
| Surge Power                        | 4000 VA  |
| Efficiency (Peak)                  | 90% ~ 93%  |
| Transfer Time                      | 10 ms (For Personal Computers);<br>20 ms (For Home Appliances)                       |
| Waveform                           | Pure sine wave   |
| No Load Consumption                | 40 W   |
| <b>BATTERY</b>                     |  |
| Battery Voltage                    | 24 VDC   |
| Floating Charge Voltage            | 27 VDC   |
| Overcharge Protection              | 31 VDC   |

## Technical Specifications

| SOLAR CHARGER & AC CHARGER            |  |
|---------------------------------------|--|
| Solar Charger Type                    | MPPT   |
| Maximum PV Array Power                | 1500 W                                       |
| Operating Voltage Range               | 30 VDC ~ 115 VDC (MPPT Range)                |
| Maximum PV Array Open Circuit Voltage | 145 VDC                                      |
| Maximum Solar Charge Current          | 60 A   |
| Maximum AC Charge Current             | 20 A   |
| Maximum Charge Current                | 80 A   |
| Maximum Efficiency                    | 98%  |
| Standby Power Consumption             | 2 W  |
| PHYSICAL                              |  |
| Dimension, (D x W x H)                | 140 x 295 x 479 mm                           |
| Net Weight                            | 11.5 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.*