

## Omega Series LV 3KP-24S 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
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	110 VAC / 120 VAC ± 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
<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	2000 W
Operating Voltage Range	30 VDC ~ 80 VDC (MPPT Range)
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	60 A
Maximum Charge Current	140 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
PHYSICAL	
Dimension, (D x W x H)	125 x 300 x 440 mm
Net Weight	11 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.