

## Omega Series UP 3K-24 OFF-GRID INVERTER



### Features

- Pure sine wave solar inverter.
- Output power factor 1.
- Selectable high power charging current.
- Wide DC input range.
- Selectable input voltage range for home appliances and personal computers.
- Configurable AC/Solar input priority via LCD setting.
- Compatible with mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload and short circuit protection.
- Smart battery charger design for optimized battery performance.
- Cold start function.
- Optional anti-dusk kit.

### Technical Specifications

Rated Power	3000 VA / 3000 W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Power	6000 VA
Efficiency (Peak)	90 - 93%
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	33 VDC

### Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	PWM
Maximum PV Array Open Circuit Voltage	80 VDC
Maximum PV Array Power	1200 W
MPPT Range @ Operating Voltage	N/A
Maximum Solar Charge Current	50 A
Maximum AC Charge Current	25 A
Maximum Charge Current	70 A
PHYSICAL	
Dimension, (D x W x H)	100 x 285 x 334 mm
Net Weight	6.3 kg
Communication Interface	USB / 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.*