

## Omega Series UM v2 3K24 OFF-GRID INVERTER



### Features

- Pure sine wave solar inverter.
- Reserved communication port for BMS.
- Wide PV input range, starts from 30 VDC for 1.2K/2.5K/3K-24V models.
- Battery independent design.
- Maximum charging current 100 A.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Built-in anti-dust 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 Hz / 60 Hz (Auto sensing)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Surge Power	6000 VA
Efficiency (Peak)	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	32 VDC

## Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Array Power	3000 W
Maximum PV Input Current	13 A
MPP Range @ Operating Voltage	30 ~ 400 VDC (30 ~ 60 VDC with battery connected)
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	80 A
Maximum Charge Current	100 A
PHYSICAL	
Dimension, (D x W x H)	110 x 288 x 390 mm
Net Weight	7.2 kg
Communication Interface	RS232 / RS485
OPERATING 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.*