

Omega Series UM 3K-24 OFF-GRID INVERTER



Features

- Pure sine wave solar inverter.
- Output power factor 1.
- High PV input voltage range.
- Built-in 40 A MPPT solar charger.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Built-in anti-dusk kit for harsh environment.

Technical Specifications

Rated Power	3000 VA / 3000 W
INPUT	
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)
OUTPUT	
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
BATTERY	
Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC

Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	102 VDC
Maximum PV Array Power	1000 W
MPPT Range @ Operating Voltage	30 ~ 80 VDC
Maximum Solar Charge Current	40 A
Maximum AC Charge Current	25 A
Maximum Charge Current	60 A
PHYSICAL	
Dimension, D x W x H	100 x 285 x 334 mm
Net Weight	6.5 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.