

Omega Series LV 1K-12 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	1000 VA / 800 W
Parallel Capability	No
INPUT	
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)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	110 VAC / 120 VAC \pm 5%
Surge Power	2000 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
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	15.5 VDC

Technical Specifications

SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Power	500 W
Operating Voltage Range	15 VDC ~ 80 VDC
Maximum PV Array Open Circuit Voltage	102 VDC
Maximum Solar Charge Current	40 A
Maximum AC Charge Current	20 A
Maximum Charge Current	60 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
PHYSICAL	
Dimension, (D x W x H)	100 x 272 x 355 mm
Net Weight	6.8 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.