


Omega LV 1K-12	Main Features
	<ul style="list-style-type: none"> • 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 only for 3 KVA models.

MODEL	Omega LV 1K-12
Rated Power	1000 VA / 800 W
Parallel Capability	No
INPUT	
Voltage	110 VAC / 120 VAC
Selectable Voltage Range	95 - 140 VAC (For Personal Computers); 65 ~ 140 VAC (For Home Appliances)
Frequency Range	50 / 60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	110 / 120 VAC \pm 5% (User selectable)
Surge Power	2000 VA
Efficiency (Peak)	90%
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)
Waveform	Pure sine wave
BATTERY	
Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	15.5 VDC
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 (mm)	100 x 272 x 355
Net Weight (kg)	6.8
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C ~ 50°C
Storage Temperature	-15°C ~ 60°C

Product specifications are subject to change without further notice.

