


Omega TOP 3K-48	Main Features
	<ul style="list-style-type: none"> • Pure sine wave inverter. • Built-in MPPT 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. • Cold start function.

MODEL	Omega TOP 3K-48
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
BATTERY	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	62 VDC
SOLAR CHARGER & AC CHARGER	
Maximum PV Array Power	3000 W
MPPT Range @ Operating Voltage	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC
Maximum Solar Charge Current	60 A
Maximum AC Charge Current	10 or 15 A (Selectable)
Maximum Charge Current	75 A
Maximum Efficiency	98%
Standby Power Consumption	2 W
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 479
Net Weight (kg)	11.5
ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	0°C - 55°C
Storage Temperature	-15°C - 60°C

Product specifications are subject to change without further notice.

