





Omega UM v3 5K-48	Main Features
   	<ul style="list-style-type: none"> • LCD Display Panel. • Detachable LCD control module with various communications. • Integrated Bluetooth interface with Android App. • Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS. • Supports USB On-the-Go function. • Battery equalization extends lifecycle. • Autonomous inverter. • User-friendly LCD operation. • Replaceable fan design.

MODEL	Omega UM v3 5K-48
Rated Power	5000 VA / 5000 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	10000 VA
Efficiency (Peak)	90 ~ 93%
Transfer Time	15 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	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	5000 W
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	60 A
Maximum Charge Current	80 A
PHYSICAL	
Dimension, D x W x H (mm)	115 x 300 x 400
Net Weight (kg)	10
Communication Interface	USB / RS232 / RS485 / Bluetooth / Dry-contact
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.

