


Omega PMS 5K-48 Top	Main Features
	<ul style="list-style-type: none"> • Sinewave high efficiency inverter charger. • Output power factor 1. • Maximum PV input power 6000 W. • The load could be powered from Solar power and AC grid even the battery is not available. • Built-in advanced DSP-controlled MPPT solar charge controller. • Battery independent design. • Battery equalization function to optimize battery performance and extend lifecycle. • Parallel operation with up to 9 units.

MODEL	Omega PMS 5K-48 Top
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%
Overload Capacity	5s @ \geq 150% load; 10s @ 110% ~ 150% load; 100 ms @ \geq 200% load
Efficiency (Peak)	90%
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	66 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Array Power	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC
Maximum Solar Charge Current	80 A
Maximum AC Charge Current	80 A
Maximum Charge Current	80 A
PHYSICAL	
Dimension, D x W x H (mm)	120 x 295 x 468
Net Weight (kg)	11
Communication Interface	USB and 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.

