

# OMEGA UP/UM

## Off-Grid



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- 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 UP3000-24	OMEGA UM3000-24	OMEGA UM-3000-24 Plus	OMEGA UP5000-48	OMEGA UM5000-48
Rated Power	3000VA/2400W			5000VA/4000W	
INPUT					
Voltage	230 VAC				
	170-280 VAC (For Personal Computers)				
Selectable Voltage Range	90-280 VAC (For Home Appliances)				
Frequency Range	50 Hz/60 Hz (Auto sensing)				
OUTPUT					
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%				
Surge Power	6000VA			10000VA	
Efficiency (Peak)	90% ~ 93%				
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)				
Waveform	Pure sine wave				
BATTERY					
Battery Voltage	24 VDC			48 VDC	
Floating Charge Voltage	27 VDC			54 VDC	
Overcharge Protection	32 VDC			63 VDC	
SOLAR CHARGER & AC CHARGER					
Solar Charger Type	PWM	MPPT		PWM	MPPT
Maximum PV Array Open Circuit Voltage	75 VDC	100 VDC	145 VDC	105 VDC	145 VDC
Maximum Solar Charge Current	50A	40A	60A	50A	60A
Maximum AC Charge Current	25A		60A		
Maximum Charge Current	70A	60A	120A	110A	120A
PHYSICAL					
Dimension, D X W X H (mm)	100 x 334 x 285		100 x 440 x 300		
Net Weight (kgs)	6.4Kg	6.6Kg	11Kg	11Kg	13Kg
Communication Interface	USB				
OPERATING ENVIRONMENT					
Humidity	5% to 95% Relative Humidity(Non-condensing)				
Operating Temperature	-10℃ to 50℃				
Storage Temperature	-15℃ to 60℃				

Product specifications are subject to change without further notice