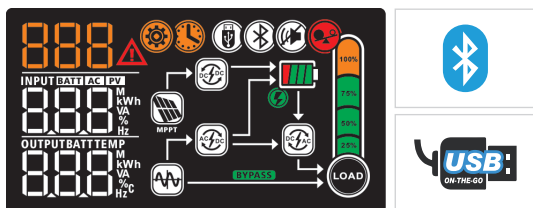


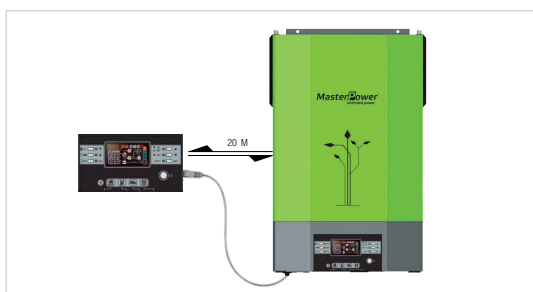
Omega UM v3

- LCD Display Panel**



- Detachable LCD control module with various communications**

This detachable LCD control module can be turned to remote panel. Users can install the LCD panel in accessible area away from inverter up to 20 meters.



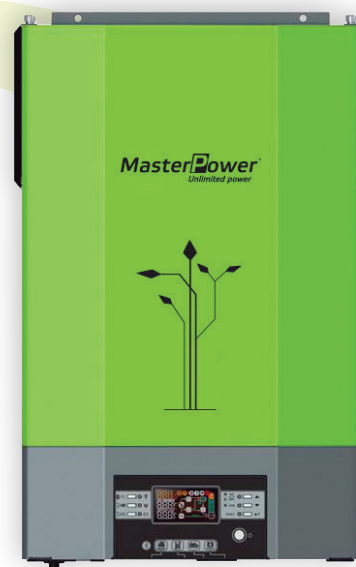
- Integrated Bluetooth interface with Android App**

UM v3 series has built-in Bluetooth interface which allows mobile monitoring. It's easy to be configured with a PC or laptop with Bluetooth interface. This technology allows wireless communication up to 6~7m in an open space. Now, WatchPower App is available in Google Play.



- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS**

This third generation inverter has a reserved communication port for BMS. For the detailed information, please contact sales department.



- Supports USB On-the-Go function**

UM v3 series supports USB On-the-Go function to facilitate data upload/download.



- Battery equalization extends lifecycle**

This inverter charger is built in battery equalization function. This function will help remove sulfation to optimize battery performance and even extend lifecycle.

- Autonomous inverter**

Inverter can keep supplying power to the loads from PV energy or the grid without connecting the batteries.

- User-friendly LCD operation**

Users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize inverter performance.

- Replaceable fan design**

UM v3 series is designed with replaceable fan. It will simplify the maintenance and reduce its cost.

Specifications

MODEL	Omega UM v3 1.5K-24	Omega UM v3 3K-24	Omega UM v3 5K-48
Rated Power	1500 VA / 1500 W	3000 VA / 3000 W	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 ± 5%		
Surge Power	3000 VA	6000 VA	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	24 VDC	48 VDC	
Floating Charge Voltage	27 VDC	54 VDC	
Overcharge Protection	33 VDC	63 VDC	
SOLAR CHARGER & AC CHARGER			
Solar Charger type	MPPT		
Maximum PV Array Power	2000 W	4000 W	
MPP Range @ Operating Voltage	120 ~ 380 VDC	120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	400 VDC	500 VDC	
Maximum Solar Charge Current	60 A	80 A	
Maximum AC Charge Current	40 A	60 A	
Maximum Charge Current	80 A		
PHYSICAL			
Dimension, D x W x H (mm)	100 x 280 x 390	115 x 300 x 400	
Net Weight (kgs)	9	11	13
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.