

INVERTER

MF-0ME-UM6KV2

OFF-GRID

Battery equalization extends cycle life, this inverter charger incorporates a battery equalization function.

This function will help eliminate sulfation to optimize battery performance and even extend cycle life.

Independent battery, the inverter can continue to supply power to loads from photovoltaic energy or the grid without connecting the battery.



Two outputs for intelligent load management

There are two outputs available. The second output can be programmed to activate/deactivate by adjusting the cut-off voltage or SOC and the discharge time using the LCD screen settings. This provides users with intelligent load control.

Maximum photovoltaic input current of 27 A

Improved PV input current to manage bigger PV modules with high-current, increasing the reliability of the plant.

Wide photovoltaic input voltage range 90 VDC ~ 450 VDC

Now, Omega UM v2 allows a wide range of photovoltaic input voltage from 90 VDC to 450 VDC. This feature allows for fewer solar panels in the system and saves space.

Easy-to-use LCD display

Users can easily set or change the charging current, output source, and charging source prioritization via.

Built-in Wi-Fi interface with mobile app

The Omega UM v2 series integrates a Wi-Fi interface ready for mobile monitoring. Mobile monitoring can be carried out through applications on both iOS and Android. Users can track the history of unit information, such as power generation, and change the appropriate parameter settings.

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

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

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TECHNICAL SPECIFICATIONS	
Rated Power	6200VA/6200W
INPUT	
Voltage	230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)
Frequency Range	50 Hz/60 Hz (Auto sensing)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%
Output Power	6200W with PV & battery ; 5000W with battery only
AC Output No.	Dual Outputs
Surge Power	12400VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Array Power	6500W
Maximum PV Input Current	18 A
MPP Range @ Operating Voltage	90 ~ 450 VDC (Min. 100VDC without battery connected)
Maximum Solar Charge Current	100A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D x W x H (mm)	115 x 300 x 435
Net Weight (kgs)	10.4
Communication Interface	RS232/RS485(BMS)/WiFi
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.

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TECHNICAL SPECIFICATIONS

BATTERY

Battery voltage	48 VDC
Floating charge voltage	54 VDC
Overload protection	63 VDC

*Las especificaciones del producto están sujetas a cambios sin previo aviso.