

INVERTER

MF-0ME-UM1.5KV2

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.



350 VDC maximum PV input voltage

Supports a maximum PV open-circuit voltage of 350 VDC, providing greater flexibility in PV array configuration while ensuring stable and efficient system operation.

Built-in BMS communication port

Integrated communication port for Battery Management Systems (BMS), ensuring seamless compatibility with lithium batteries for enhanced performance, protection, and monitoring.

Built-in Wi-Fi with mobile app & OTA updates

Integrated Wi-Fi enables remote monitoring through a mobile app. Users can track system performance, configure parameters, and receive OTA firmware updates for continuous improvements.

Independent battery design & equalization

Advanced battery management includes independent battery operation and an equalization function that helps optimize battery performance and extend service life.

Built-in anti-dust kit

Equipped with an integrated anti-dust kit to reduce dust accumulation inside the inverter, improving reliability and ensuring stable performance in demanding environments.

High efficiency pure sine wave output

Delivers a stable pure sine wave output with up to 93% peak efficiency, ensuring reliable operation and compatibility with sensitive electronic equipment.

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TECHNICAL SPECIFICATIONS	
Rated Power	1500VA / 1500W
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)	230 VAC \pm 5%
Output Power	1500 W with PV & battery ; 1200 W with battery only
AC Output No.	Single
Surge Power	3000 VA
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	350 VDC
Maximum PV Array Power	2000 W
Maximum PV Input Current	13 A
MPP Range @ Operating Voltage	30 ~ 300 VDC (Min. 60VDC without battery connected)
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	80A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D x W x H (mm)	90 x 288 x 357
Net Weight (kgs)	6.6
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

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TECHNICAL SPECIFICATIONS

BATTERY

Battery Voltage	12 VDC
Floating Charge Voltage	13.5 VDC
Overcharge Protection	16 VDC

*Product specifications are subject to change without further notice.