



HVM

Solar Inverter

Max. 80A Charging



- Pure sine wave inverter, built in 80A MPPT Controller.
- Max. PV input voltage 450V, Start voltage at least 150V.
- Compatible to mains voltage or generator power.
- Auto restart while AC is recovering.
- Overload/ Over temperature/ short circuit protection.
- Smart battery charger design for optimized battery performance.
- Built-in anti-dust kit.
- Support 12V/24V lead-acid and lithium batteries.
- WIFI/GPRS(Optional).

Note: Read and understand the installation and safety manual before installation. The copyright belongs to MIC Optoelectronic Co., Ltd. If any change will not further notice.





INVERTER

NEW ENERGY

Inverter Model	MIC-HVM1.5H-12V	MIC-HVM2.4H-24V	MIC-HVM3.2H-24V
AC Input			
Input Voltage Waveform	Sinusoidal (Utility or generator)		
Nominal Input Voltage	230Vac		
Max. AC Input Voltage	300Vac		
Nominal Input Frequency	50/60Hz (Auto detection)		
Efficiency	>95% (Rated R load, battery full charged)		
Transfer Time	10ms typical (UPS); 20ms typical (Appliances)		
AC Output (Back-Up)			
Rated Output Power	1.5KW	2.4KW	3.2VA/3KW
Output Voltage Regulation	230Vac±5% Single phase		
Output Frequency	50Hz		
Peak Efficiency	91%		94%
Overload Protection	5s@ ≥ 150% load; 10s@110%~150%load		
Surge Capacity	2*rated power for 5 seconds		
No Load Power Consumption	<25W	<30W	<35W
Battery Specification			
Battery Type	Lithium and Lead Acid Battery, support user define		
System Voltage	12V		24V
AC Charge & PV Charge Mode			
Charging Algorithm	3-Stages		
Max. AC Charging Current	60Amp (@VI/P=230Vac)		
Max. PV Array Power	2000W	3000W	3000W
PV MPPT Voltage Range	90~430Vdc		
Max. PV Array Open Circuit Voltage	450Vdc		
Max. Charging Current (AC+PV)	80Amp		
General Specification			
Operation Temperature	-10°C ~50°C		
Storage Temperature	-15°C ~60°C		
Humidity	5%~95% Relative Humidity (Non condensing)		
Communication Interface	RS232		
Dimension	348x270x95mm		
Net Weight	4kg	5kg	5.4kg