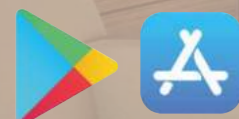


SOLAR INVERTER

VMH series



Unipower Solar Inverter solutions are available with advanced and intuitive appbased remote control and monitoring functionality.

Solar Inverter
VMH 3/VMH 5/VMH 10

SOLAR INVERTER

VMH series is a Solid Single Phase Solar Inverter. The inverter has an elegant design and is easy to install. It utilizes advanced MPPT solar charging & supports Li-Ion battery BMS communication. Complete suite of hardware and software protection.

For More about Unipower range of products, visit:
www.en-ga.com


Easy Installation

Plug and Play setup.
Bulletproof protection for hardware and software.


MPPT

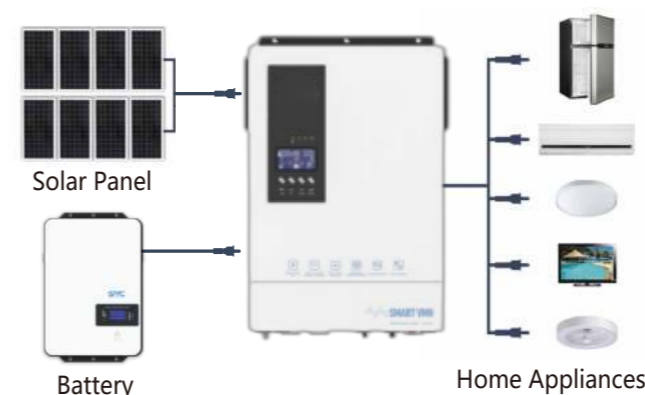
Advanced MPPT charging with 99.9% efficiency


Wide Voltage range

170~280 Vac/ 90~280Vac


Remote Monitoring

Monitor your system remotely via smartphone app or web portal.



Model No	VMH 3	VMH 5	VMH 10
Output			
Rated Output Power	3KVA/3KW	5KVA/5KW	10KVA/10KW
Output Format	L+N+PE	L+N+PE	L+N+PE
Rated Output Voltage	208/220/230/240 VAC±5%		
Output Frequency	50/60Hz±0.1%		
Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Peak Power	6000VA	10000VA	20000VA
Overload Capacity	Battery Mode: 1min@102%~110% Load ; 10s@110%~130%Load; 3s@130%~150% Load ; 200ms@>150% Load		
Peak Efficiency (Battery Mode)	>94%	>94%	>93%
Transfer Time	10ms	10ms	10ms
AC Input			
Input Format	L+N+PE	L+N+PE	L+N+PE
Rated Input Voltage	208/220/230/240 VAC		
Input Voltage Range	170~280VAC(For PC);90~280VAC(For Home Appliances)		
Frequency Range	50/60Hz(Auto Sensing)		
PV Input			
Solar Charging Type	MPPT	MPPT	MPPT
PV Max. Input Power	4000W	5500W	11000W
MPPT Tracking Voltage Range	120-430 VDC	120-430 VDC	120-430 VDC
Max. PV Input Voltage	450 VDC	450 VDC	450 VDC
Max. PV Charging Current	120A	80A	80A+80A
Max. Charging Current	120A	80A	80A+80A
Battery			
Rated Voltage	24VDC	48VDC	48VDC
Battery Type	Li-ion/ Lead-Acid		
Constant charging voltage (can be set)	28.2 VDC	56.4 VDC	56.4 VDC
Float charging voltage (can be set)	27 VDC	54 VDC	54 VDC
Product General Data			
Communication Interface	USB/RS485/CAN/DRY CONTACT		
Expansion slot communication interface	WiFi (Optional)		
Display	LED Screen	LED Screen	LED Screen
Parallel Interface	N/A	Yes	N/A
Operation Environment Temperature	0~50°C	0~50°C	0~50°C
Storage Environment Temperature	-15~60°C	-15~60°C	-15~60°C
Environment Humidity	20%~95% (Non-condensing)		
Operation Altitude	<2000m	<2000m	<2000m
Cooling Mode	Active Cooling	Active Cooling	Active Cooling
Noise Emission	<50db	<50db	<50db
Dimension (W*H*D)(mm)	300*450*110	300*450*110	480*620*145
Weight (kg)	7	7.8	16
Safety Standard	IEC62368-1		