



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 SVC range of products, visit:
www.svcenergy.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	VMH3.6	VMH 5	VMH 5.5
Output			
Rated Output Power	3.6KVA/3.6KW	5KVA/5KW	5KVA/5KW
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
Overload Capacity	Battery Mode: 1min@102%~110% Load ; 10s@110%~130%Load; 3s@130%~150% Load ; 0.2s@>150% Load		
Peak Efficiency (Battery Mode)	>92.7%	>94%	>94%
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	Appliance mode: 90~280V; UPS mode: 170~264V		
Frequency Range	50/60Hz(Auto Sensing)		
PV Input			
Solar Charging Type	MPPT	MPPT	MPPT
PV Max. Input Power	5000W	5500W	6000W
MPPT Tracking Voltage Range	40-450 VDC	120-430 VDC	120-430 VDC
Max. PV Input Voltage	500 VDC	500 VDC	500 VDC
Max.PV Input Current	18A	18A	18A
Max. PV Charging Current	100A	100A	100A
Max. Charging Current	100A	100A	100A
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	232/USB/RS485/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	-10~50°C (Reduce output power to 80% above 40 °C)		
Storage Environment Temperature	-15~60°C		
Environment Humidity	20%~95% (Non-condensing)		
Operation Altitude	The Altitude should not exceed 1000m, and the height above 1000m should be reduced to a maximum of 4000m. Refer to IEC62040-3		
Cooling Mode	Active Cooling	Active Cooling	Active Cooling
Noise Emission	<50db	<50db	<50db
Dimension (W*H*D)(mm)	280*350*136	300*450*110	310*420*136
Weight (kg)	6.6	7.8	8
Safety Standard	IEC62368-1		

Product specifications are subject to change without notice.