

MPPT SOLAR INVERTER

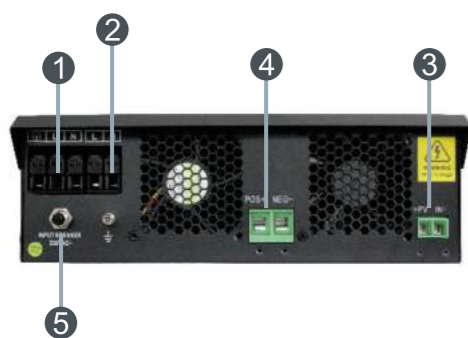
VMII PLUS series

Off Grid Inverter



Product Features

- Pure Sine wave solar inverter
- Output power factor 1
- High PV input voltage range
- Built-in 100A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit for harsh environment
- Support working without battery



System connection



Overview

1. AC input
2. AC output
3. PV input
4. Battery input
5. Circuit breaker

Technical Specification

Model	VM II PLUS 3.5KW-24	VMII PLUS 5.5KW-48
Rated Power	3500VA/3500W	5500VA/5500W
Input		
Voltage	230VAC	
Voltage Range	170–280 VAC (for PC) or 90–280 VAC (for Home Appliances)	
Frequency Range	60/50Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Bat Mode)	230Vac±5%	
Surge Power	6000VA	10000VA
Efficiency(Peak)	90%~93%	
Transfer Time	10 ms (for Personal Computers); 20ms(for Home Appliances)	
Waveform	Pure sine wave	
Battery		
Battery Voltage	24 VDC	48 VDC
Floating Charging Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
Solar Charger & AC Charger		
Solar Charge Type	MPPT	
Max PV Array Open Circuit Voltage	500 VDC	500 VDC
Max PV Array Open Circuit Power	5000 W	5500 W
MPP Range@Operating Voltage	120-450VDC	120-450 VDC
Maximum Solar Charge Current	100A	100 A
Maximum AC charge Current	100A	100 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension(LxWxH) mm	100x300x400	
Net Weight(kgs)	10 kg	10.5 kg
Communication Interface	USB/RS232	
ENVIROMENT		
Humidity	5-95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

