

VMII PLUS SERIES



Off Grid Solar Inverter

Model	VMII Plus 3.5KW	VMII Plus 5.5KW
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	
PV Array MPPT Voltage Range	120VDC-450VDC	
Maximum Solar Charge Current	100A	
PHYSICAL		
Dimension(LxWxH) mm	119x313.6x457.5	
Net Weight (kgs)	10 kg	12 kg
Communication Interface	USB/RS232	
ENVIROMENT		
Humidity	5-95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°Cto50°C	
Storage Temperature	-15°Cto60°C	

System Connection



Overview

- 1.AC Input
- 2. AC output
- 3.PV Input
- 4.Battery input
- 5.Circuit Breaker
- 6.GND

Product Features

- Pure Sine wave solar inverter
- Output power factor 1.0
- High PV input voltage range 120-450V
- 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

