



- Detachable LCD control module with various communications
- Built-in Wifi for mobile monitoring (App is Available)
- Supports USB On-the-Go function
- Reserved communication port (RS485, CAN-BUS or RS 232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Replaceable fan design for ease of maintenance



## VM III 4KW / 6KW OFF-GRID INVERTER

MODEL	VM III-4000-24	VM III-6000-48
Rated Power	4000VA / 4000W	6000VA / 6000W
<b>INPUT</b>		
Voltage	230 VAC	
Selectable Voltage Range	170 - 280 VAC (For Personal Computers) 90 - 280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60Hz (Auto Sensing)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt.Mode)	230VAC $\pm$ 10%	
Surge Power	8000VA	12000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger Type	MPPT	
Maximum PV Array Power	5000W	6000W
MPP Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	100A	100A
Maximum Charge Current	120A	120A
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	115 x 300 x 400	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232/RS485/WiFi/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-Condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.