



Solar Off Grid Inverter



VMIII 3KW-24V
VMIII 5KW-48V

Features

- Detachable LCD control module with various communications
- Integrated Bluetooth interface with Android App
- Supports USB On-the-Go function
- Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS
- Battery equalization extends lifecycle
- Battery independency
- User-friendly LCD operation
- Replaceable fan design





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SPECIFICATIONS

MODEL	VMIII 3KW-24V	VMIII 5KW-48V
Rated Power		3000VA/3000W
Parallel Capability		No

INPUT

Voltage		230 VAC
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)	
Frequency Range		50 Hz/60 Hz (Auto sensing)

OUTPUT

AC Voltage Regulation (Batt. Mode)		230VAC \pm 5%
Surge Power	6000VA	10000VA
Efficiency (Peak)		90 % - 93 %
Transfer Time	15 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform		Pure sine wave

BATTERY

Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	33 VDC	63 VDC

SOLAR CHARGER & AC CHARGER

Solar Charger Type		MPPT	
Maximum PV Array Power	4000W	5000W	
MPPT Range @ Operating Voltage		120 - 450 VDC	
Maximum PV Array Open Circuit Voltage		500 VDC	
Maximum Solar Charge Current		100 A	80 A
Maximum AC Charge Current		100 A	80 A
Maximum Charge Current		100 A	80 A

PHYSICAL

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	

ENVIRONMENT

Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

All information contained in this document is subject to change without notice.