



Solar Off Grid Inverter



VM 3KW-24V PLUS

Features

- Pure sine wave solar inverter
- Output power factor 1
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to AC mains or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- Cold start function
- Optional anti-dust kit





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SPECIFICATIONS

MODEL	VM 3KW-24V PLUS
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
Efficiency (Peak)	90% - 93%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)
Waveform	Pure sine wave

BATTERY

Battery Voltage	24 VDC
Floating Charge Voltage	27 VDC
Overcharge Protection	33 VDC

SOLAR CHARGER & AC CHARGER

Solar Charger type	MPPT
Maximum PV Array Power	1500 W
Maximum PV Array Open Circuit Voltage	145 VDC
MPP Range @Operating Voltage	30-115 VDC
Maximum Solar Charge Current	60 A
Maximum AC Charge Current	60 A
Maximum Charge Current	1200 A

PHYSICAL

Dimension, D x W x H (mm)	100 x 300 x 440
Net Weight (kgs)	9.5
Communication Interface	USB/RS232

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.