



3000VA



OFF-GRID SOLAR INVERTER

- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range, starts from 30VDC
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit



Off-Grid Inverter Specifications

MODEL	VM II Premium 3K
Rated Power	3000VA/3000W
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)	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	32 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger Type	MPPT
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum PV Array Power	3000W
Maximum PV Input Current	13A
MPP Range @ Operating Voltage	30 ~ 400 VDC (30V~60V with battery)
Maximum Solar Charge Current	100 A
Maximum AC Charge Current	80A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D x W x H (mm)	120 x 300 x 440
Net Weight (kgs)	7.6
Communication Interface	RS232/RS485, optional WiFi
ENVIRONMENT	
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.