



VM II Premium 1.5K / 3K

Features

- 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



MODEL	VM II Premium 1.5K	VM II Premium 3K
Rated Power	1500VA/1500W	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 ± 5%	
Output Power	1500W with PV & battery 1200W with battery only	3000W with PV & battery 2500W with battery only
Surge Power	2400VA	5000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	12 VDC	24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC
Overcharge Protection	16 VDC	32 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	350 VDC	450 VDC
Maximum PV Array Power	2000W	3000W
MPP Range @ Operating Voltage	30 ~ 300 VDC (30 ~ 60VDC with battery connected)	30 ~ 400 VDC (30 ~ 60VDC with battery connected)
Maximum PV Input Current	13 A	
Maximum Solar Charge Current	100 A	
Maximum AC Charge Current	80 A	
Maximum Charge Current	100 A	
PHYSICAL		
Dimension, D X W X H (mm)	90 x 288 x 357	
Net Weight (kgs)	6.5	7.0
Communication Interface	RS232/RS485, optional WiFi	
OPERATING 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