

Solar INVERTER



3000VA/ 5000VA

- Detachable LCD control module with various communications
- Built-in Wifi for mobile monitoring (App is available)
- Built-in 100A MPPT solar charge
- 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



MODEL	VM III 3K	VM III 5K
Rated Power	3000VA / 3000W	5000VA / 5000W
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		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	4000 W	5000 W
MPP Range @ Operating Voltage	120~450 VDC	120~450 VDC
Maximum Solar Charge Current	100 A	100 A
Maximum AC Charge Current	100 A	100 A
Maximum Charge Current	100 A	100 A
PHYSICAL		
Dimension, D x W x H (mm)	115 x 300 x 400	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	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

Product specifications are subject to change without further notice.