



BLACK DRAGON INVERTER

Data sheet

VM IV SERIES

High Frequency Solar Inverter



VM IV 3.6KVA/5.6KV

VM IV is the fourth-generation off-grid inverter with rich new functions. In addition to enhanced charging power, VM IV also comes with a built-in Wi-Fi function, mobile monitoring can be carried out through mobile applications. Data can be accessed and recorded in the inverter, which is convenient for tracking the operation status of the inverter. USB On-The-Go function for easy rewriting of internal parameters, data downloads, and software updates. Battery independency design enhances this inverter to operate without battery connected.

Available Color



Main Features

- 1-Customizable status LED ring with RGB lights.
- 2-Touchable button with large 4.3 colored LCD. Built-in Wifi for mobile monitoring (Android/iOS App available).
- 3-Supports USB On-the-Go function Data log events stored in the inverter.
- 4-Reserved communication port (RS485, CAN-BUS or RS232) for BMS.
- 5-Battery independent design. Battery equalization extends lifecycle.
- 6-User-friendly LCD operation.
- 7-Enhanced charging power.
- 8-Built-in anti-dust ki



Technical Specifications:

Model	VM IV 3600	VM IV 5600
Rated Power	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	230 VAC
Select-able Voltage Range	170-280VAC (For Personal Computers) 90-280VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%	
Surge Power	7200VA	11200VA
Efficiency (Peak)	90%-93%	
Transfer Time	15ms(For Personal Computers), 20ms(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	MPPT
Max PV Array Power	4000W	6000W
MPP Range @operating Voltage	120~450VDC	
Max PV Array Open Circuit Voltage	500VDC	
Max Solar Charge Current	120A	120A
Max AC Charge Current	100A	100A
Max Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	119 x 313x 422	
Net Weight (kgs)	10	12
Communication Interface	USB/RS232/RS485/WIFI/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	

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FOR A BRIGHTER FUTURE



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