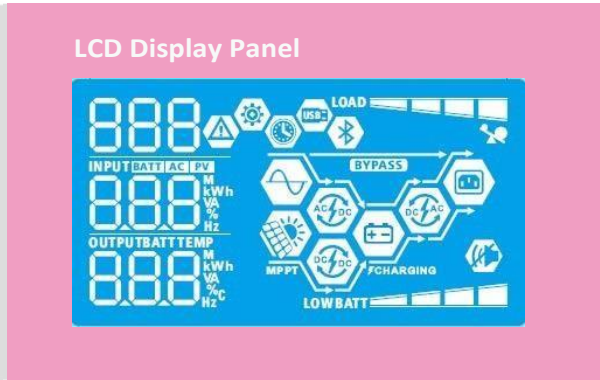


# Cellcronix Axpert VM III Off-Grid Hybrid Inverter



• **Detachable LCD control module with various communications**

This detachable LCD control module can be turned to remote panel. Users can install the LCD panel in accessible area away from inverter up to 20 meters.



• **Reserved communication port (RS-485, CAN-BUS or RS-232) for BMS**

This third generation inverter is reserved communication port for BMS. Lithium ion battery compatible.



• **Integrated Bluetooth interface with Android App**

VM III series is integrated Bluetooth interface ready for mobile monitoring. This technology allows wireless communication up to 6~7m in an open space. Now, WatchPower App is available in google store.



• **Battery equalization extends life cycle**

This inverter charger is built in battery equalization function. This function will help remove sulfation to optimize battery performance and even extend battery life cycle.

• **Work without battery**

Inverter can keep supplying power to the loads from PV energy or the grid without battery connected.



• **Supports USB On-the-Go function**

VM III series supports USB On-the-Go function to facilitate data upload/download.



• **User-friendly LCD operation**

Users can easily set up or change the charging current, output source and charger source prioritization through LCD control panel to optimize inverter performance.



• **Replaceable fan design**

VM III series is designed with replaceable fan. It will simplify the maintenance and reduce the maintenance cost.



# Cellcronix Axpert VM III Off-Grid Hybrid Inverter Selection Guide

MODEL	Axpert VM III-3000W-24V	Axpert VM III 5000W-48V
Rated Power	3000VA/3000W	5000VA/5000W
<b>INPUT</b>		
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)	
<b>OUTPUT</b>		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
<b>BATTERY</b>		
Battery Voltage	24VDC	48 VDC
Floating Charge Voltage	27VDC	54 VDC
Overcharge Protection	33VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Solar Charger type	MPPT	
Maximum PV Array Power	4000W	5000W
MPP Range @ Operating Voltage	120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum Solar Charge Current	80A	
Maximum AC Charge Current	60A	
Maximum Charge Current	80A	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	115 x 300 x 400	
Net Weight (kgs)	9	10
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
<b>OPERATING ENVIRONMENT</b>		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	