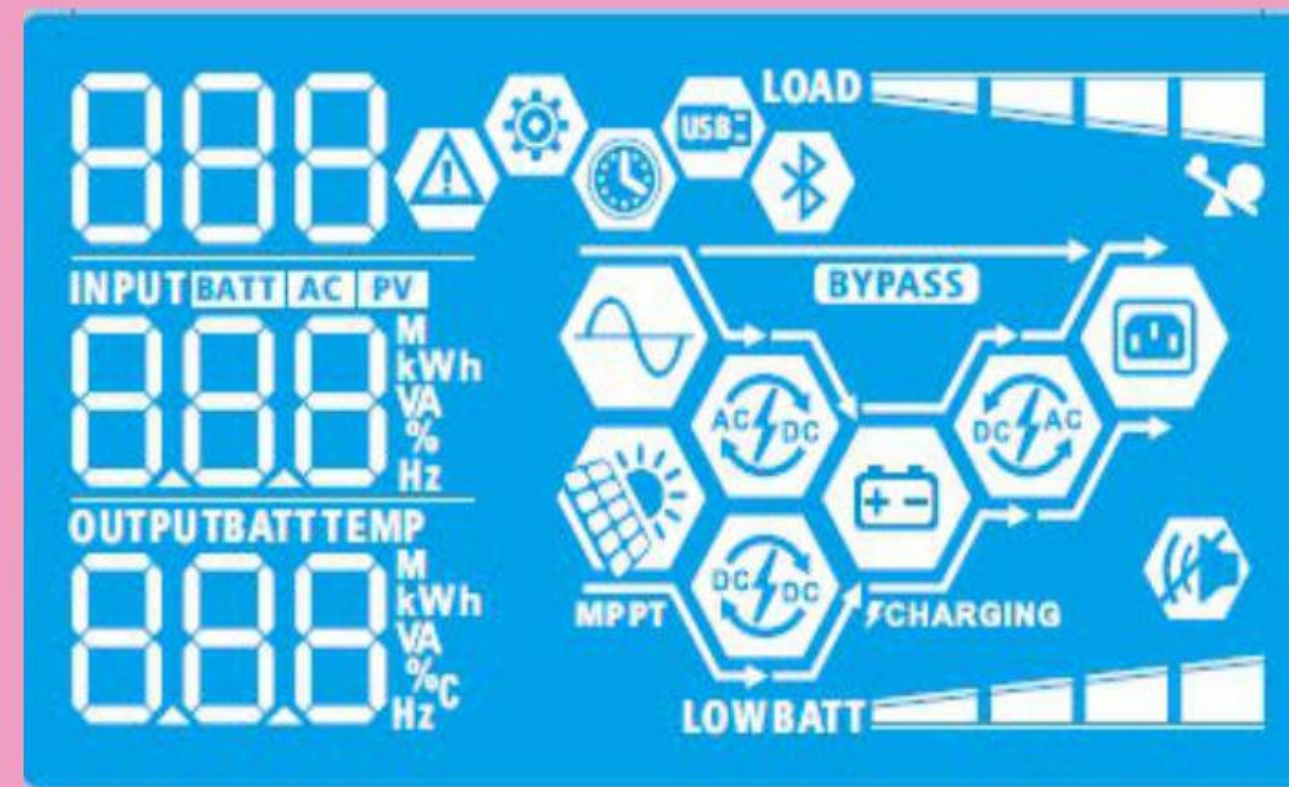


# Axpert VM III Off-Grid Inverter



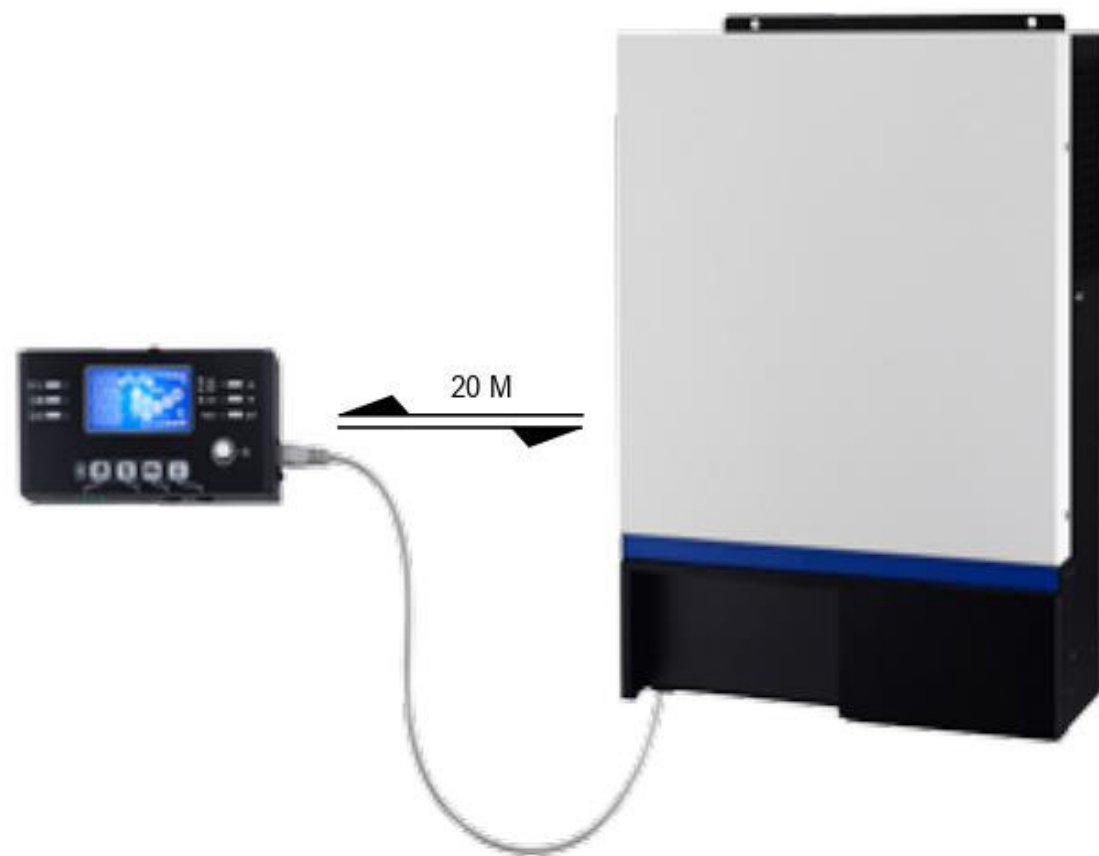
## LCD Display Panel



3rd Generation Inverter

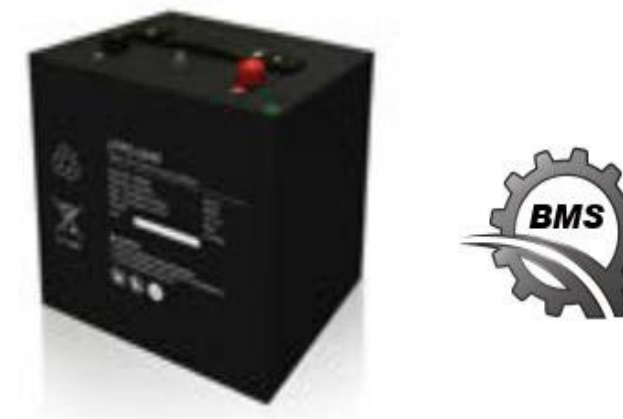
- **Detachable LCD control module with various communications**

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. For the detailed information, please contact sales directly.



- **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.

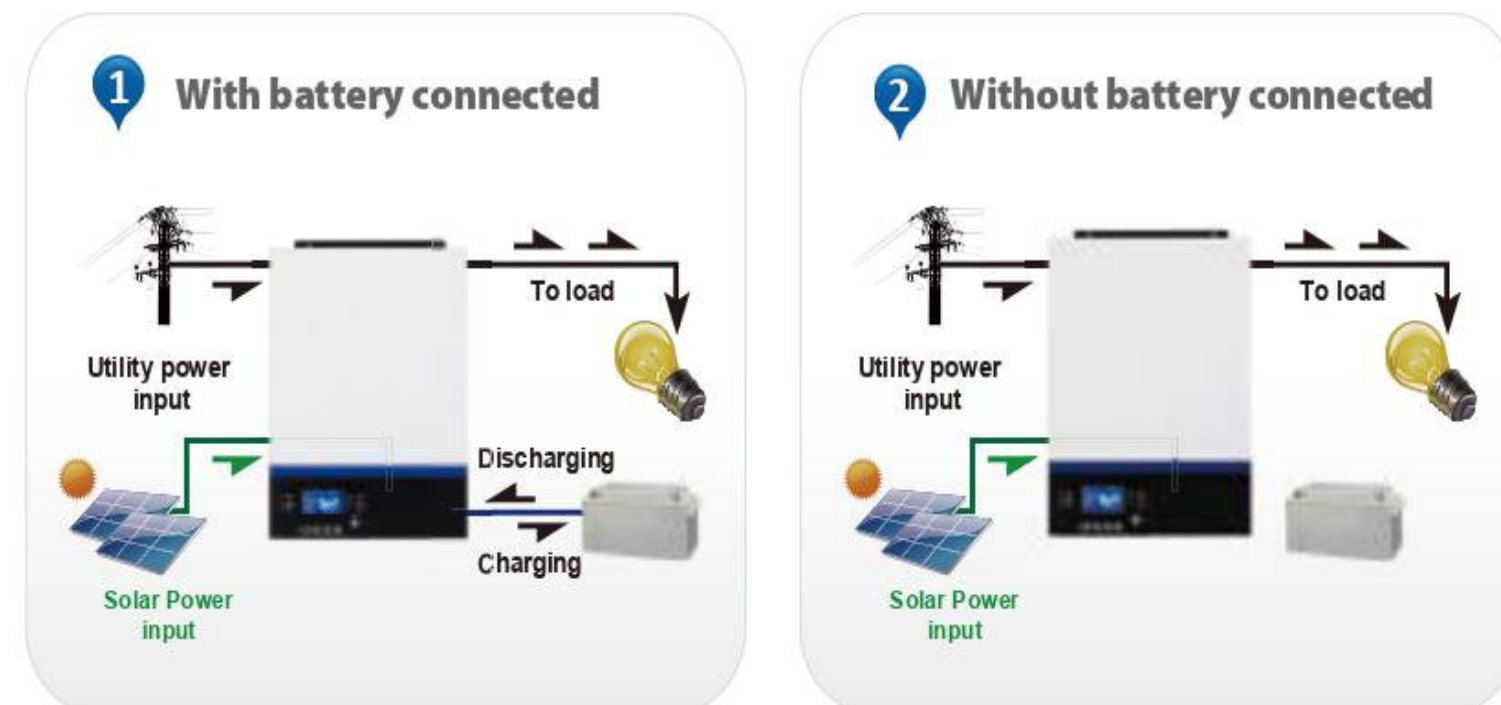


- **Battery equalization extends lifecycle**

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

- **Battery independency**

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



- **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.



- **Supports USB On-the-Go function**

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



- **Replaceable fan design**

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





## Axpert VM III Off-Grid Inverter Selection Guide

MODEL	Axpert VM III-1500-24	Axpert VM III-3000-24	Axpert VM III 5000-48
Rated Power	1500VA/1500W	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	3000VA	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	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	33 VDC		63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Solar Charger type	MPPT		
Maximum PV Array Power	2000W	4000W	5000W
MPP Range @ Operating Voltage	120 ~ 380 VDC	120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	400 VDC	500 VDC	
Maximum Solar Charge Current	60A	80A	
Maximum AC Charge Current	40A	60A	
Maximum Charge Current	60A	80A	
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	100 x 280 x 390	115 x 300 x 400	
Net Weight (kgs)	8.5	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		

Product specifications are subject to change without further notice.