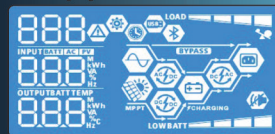


AXPERT VMIII SOLAR INVERTER

4 KVA
6 KVA

- 1st time in Pakistan Removable LCD control module with various communications.
- 4th generation smart and intelligent solar inverter.
- TWO MPPT based solar charge controller one for load (80A) two for torque load (60A).
- Integrated Bluetooth interface & WiFi communications.
- Work without battery.
- Compatible with (Li Ion, LiFePo4 and etc.) batteries with BMS.
- Battery equalization.
- Easy Replacement of fans.
- Data logging and storage function.
- Energy prioritization according to the timer.

LCD Display Panel



REMOVABLE LCD



Axpert VM III Off-Grid Inverter Selection Guide

MODEL	Axpert VM III 4000-24	Axpert VM III 6000-48
Rated Power	4000VA/3500W	6000VA/5500W
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%	
Surge Power	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%	
Transfer Time	10 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		
Solar Charger type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Array Power	4000 W 98% 5000 W 82%	6000 W 98% 8000 W 82%
MPP Range @ Operating Voltage	120 ~ 450 VDC	120 ~ 450 VDC
Maximum Solar Charge Current	80 A + 60 A	80 A + 60 A
Maximum AC Charge Current	60 A	60 A
Maximum Charge Current	140 A	140 A
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C to 50 °C	
Storage Temperature	-15°C to 60 °C	

- 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.

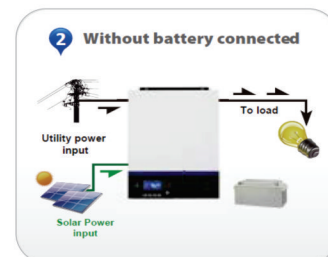
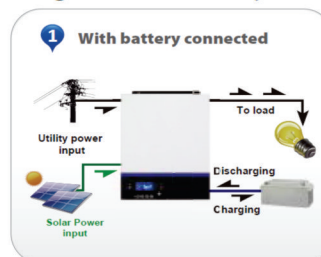


- Battery equalization extends lifecycle

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

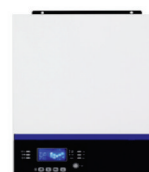
- Battery independency

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



- Integrated Bluetooth or WiFi interface with mobile App

VM III series is integrated Bluetooth or WiFi interface ready for mobile monitoring. It's easy to be configured with a PC or laptop with Bluetooth or WiFi interface. This technology allows wireless communication up to 6~7m in an open space. Now <http://ftp-smartree.y66.dnsnd.com/VMIII.apk> App is available in google.com



- 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.

