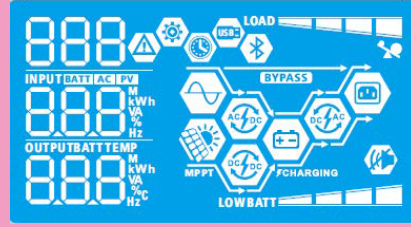


## Axpert VM III Off-Grid Inverter



### LCD Display Panel



Off-Grid 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.



#### • 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.



#### • Supports USB On-the-Go function

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



#### • 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.

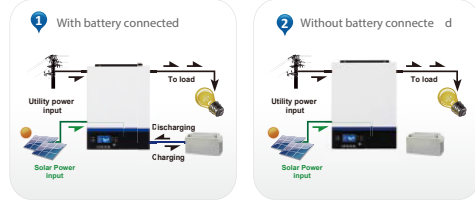


#### • Battery equalization extends lifecycle

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.



#### • 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.



**NOORPOWER**

## 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)<br>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)<br>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.

**NOORPOWER**

مبيعات تعزز / عدن 776222522  
مبيعات صنعاء / الحديدة 776222922

صنعاء - شارع الجزائر - تقاطع الدائري - 01/446460 - 01/446461  
تعزز - الحصن - أسفل جامع الشيباني 04/248044



Noor.sheiban



Noorshaiban@sheibanigroup.com  
eng.sameh@sheibanigroup.com



WWW.Noorshaiban.com

**نور شيبان**  
Noor Shaiban

لأنظمة الطاقة الشمسية  
For Solar System Applications