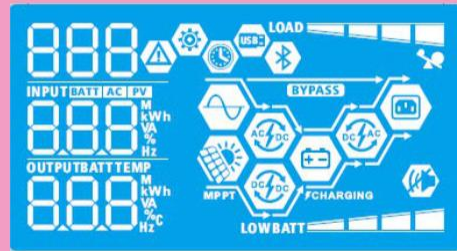


Gennex Axpert VM III Off-Grid Inverter

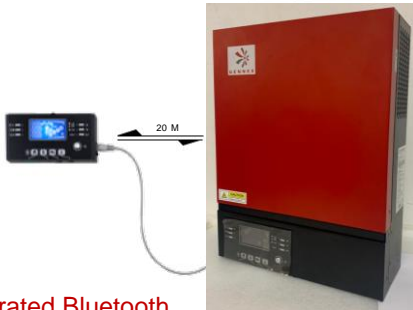


LCD Display Panel



• **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. It's easy to be configured with a PC or laptop with Bluetooth interface. 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.

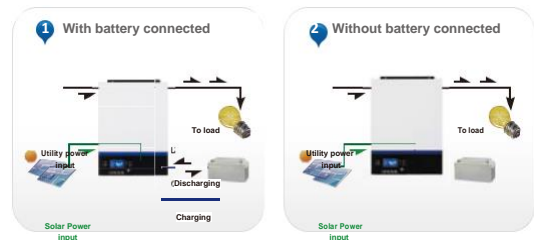


• **Battery equalization extends lifecycle**

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.

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
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 \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		
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		
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	
PHYSICAL			
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		
OPERATING ENVIRONMENT			
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C		
Storage Temperature	-15°C to 60°C		

Gennex Axpert King Off-Grid Inverter



- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization • Parallel operation up to 9 units

Axpert King Off-Grid Inverter Selection Guide

MODEL	Axpert King 3K	Axpert King 5K
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	Up to 9 units	Up to 9 units
INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation	230 VAC \pm 5%	
Output THDv	<3% for linear load, <8% for non-linear load	
Surge Power	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode	
Transfer Time	0 ms	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500 W	4000 W
MPP Range @ Operating Voltage	30 ~ 115 VDC	60~115VDC
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	60 A	60 A
Maximum Charge Current	120 A	140 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 303 x 525	
Net Weight (kgs)	13.0	13.5
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	