

# Axpert VM III Off-Grid Inverter



- Removable LCD control module
- Expanded communication ports (RS485, CAN-BUS, RS232)
- Build-in Bluetooth for mobile monitoring(Requires App)
- Configurable AC/PV Output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Compatible to Utility Mains or generator input
- Auto restart while AC is recovering
- Cold star function
- Supply load from Grid or PV, even when battery is not available
- Replaceable modular fans
- Build-In dust filters

Turn your removable LCD Control Module into a fully featured remote panel at a distance up to 20 meters.



## 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 ± 5%		
Surge Power	3000VA	6000VA	10000VA
Efficiency (Peak)	90% ~ 93%		
Transfer Time	15 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	31 VDC		63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Solar Charger type	MPPT		
Maximum PV Array Power	2000W	4000W	4000W
MPP Range @ Operating Voltage	120 ~ 380 VDC	120 ~ 450 VDC	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	400 VDC	500 VDC	500 VDC
Maximum Solar Charge Current	60A	80A	80A
Maximum AC Charge Current	40A	60A	60A
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	280 x 390 x 100	300 x 440 x 115	
Net Weight (kgs)	9Kg	11Kg	13Kg
Communication Interface	Removable USB/RS232/RS485/BLE/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.