

Axpert VM III 4KW/6KW Off-Grid Inverter



- Detachable LCD control module with various communications
- Built-in WiFi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Replaceable fan design for ease of maintenance

Axpert VM III Off-Grid Inverter Selection Guide

MODEL	Axpert VM III-4000-24		Axpert VM III-6000-48	
RATED POWER	4000VA/4000W		6000VA/6000W	
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 ± 10%			
Surge Power	8000VA		12000VA	
Efficiency (Peak)	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	5000W		6000W	
MPP Range @ Operating Voltage	120 ~ 450 VDC		120 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC		500 VDC	
Maximum Solar Charge Current	120A		120A	
Maximum AC Charge Current	100A		100A	
Maximum Charge Current	120A		120A	
PHYSICAL				
Dimension, D x W x H (mm)	115 x 300 x 400			
Net Weight (kgs)	9		10	
Communication Interface	USB/RS232/RS485/WiFi/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			

Product specifications are subject to change without further notice.