

Axpert VM III TWIN Off-Grid Inverter



- Detachable LCD control module with various communications
- Maximum PV input current 27A
- Dual output for smart load management
- 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

OFF-GRID INVERTER

Axpert VM III TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert VM III TWIN 4K		Axpert VM III TWIN 6K	
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)	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	5000W	6000W		
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC		
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC		
Maximum PV Input Current	27A			
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 435			
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.