

Axpert VM II TWIN Off-Grid Inverter

OFF-GRID INVERTER



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 60VDC ~ 450VDC
- Battery independent design
- Built-in 120A MPPT solar charger
- Battery equalization function to optimize battery performance and extend lifecycle

Axpert VM II TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert VM II TWIN 3.6K	Axpert VM II TWIN 5.6K
RATED POWER	3600VA/3600W	5600VA/5600W
INPUT		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Computers), 90-280 VAC (For Home Appliance)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%	
Surge Power	7200VA	11200VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
Dual Outputs	Yes	
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 Open Circuit Voltage	500 VDC	
Maximum PV Array Power	5000W	6000W
Maximum PV Input Current	27A	27A
MPP Range @ Operating Voltage	60-450 VDC	60-450 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)	107 x 322.6 x 420.3	
Net Weight (kgs)	9.5	10.5
Communication Interface	USB/RS-232	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Operating Temperature	-10 °C to 50° C	
Storage Temperature	-15° C to 60° C	