marvel® Tech

Axpert VM III TRI

USB   **WiFi**   **3 Outputs**   **2 IN**

- Three outputs for smart load management

- Accept dual inputs, utility power and generator power

- Maximum PV input current 40A

- Built-in Wi-Fi for mobile monitoring and OTA firmware

- Supports USB (Type-A or Type-C) On-the-Go function

- Reserved communication port for BMS

- Battery independent design

- Built-in 120A MPPT solar charger

- Built-in anti-dust kit

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Axpert VM III Inverter Selection Guide

MODEL	Axpert VM III TRI 4.5K	Axpert VM III TRI 6.5K
RATED POWER	4500VA/4500W	6500VA/6500W
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 ± 5%	
Surge Power	9000VA	13000VA
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	6500W	8500W
MPP Range @ Operating Voltage	60 ~ 450 VDC	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC	500 VDC
Maximum PV Input Current	40A	
Maximum Solar Charge Current	120A	120A
Maximum AC Charge Current	120A	120A
Maximum Charge Current	120A	120A
PHYSICAL		
Dimension, D x W x H (mm)	132 x 323 x 400	
Net Weight (kgs)	9.5	10.5
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	
STANDARD		
Compliance Safety	CE	

Product specifications are subject to change without further notice.