

Axpert VM II Elite 6K

- Increased PV power to 8000W
- Dual inputs and dual outputs for smart energy management
- Wide PV input voltage range 60VDC~450VDC
- Built-in meter calibration for optimized system operation
- Maximum PV input current increases to 27A
- Built-in BMS communication port
- Battery independent design



2x2
IN OUT

Axpert VM II Elite 6KP

- Dual outputs and dual inputs for smart energy management
- Maximum PV input current increases to 27A and power up to 10000W
- Wide PV input voltage range 60VDC~450VDC
- Built-in communication port for BMS
- Built-in WiFi with APP for remote monitoring and OTA firmware upgrade
- Built-in Pre-charge circuit to reduce inrush current
- True battery reverse polarity protection
- Low noise and no load consumption
- Built-in PV DC switch
- External CT sensor to guarantee 100% self-consumption
- Built-in meter calibration for optimized system operation
- Parallel operation up to 2 units
- Metered 2nd output



Parallel Operation 2 units

2x2
IN OUT

App Store
Google Play

WiFi

123456789101112131415161718192021222324252627282930313233343536373839404142434445464748495051525354555657585960616263646566676869707172737475767778798081828384858687888990919293949596979899100

Axpert VM II Elite Off-Grid Inverter Selection Guide

MODEL	Axpert VM II Elite 6K	Axpert VM II Elite 6KP
RATED POWER	6000VA/6000W	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 \pm 5%	
Surge Power	12000VA	
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers); 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	63 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Array Power	8000W	10000W
Maximum PV Input Current	27A	
MPP Range @ Operating Voltage	60-450 VDC	
Maximum Solar Charge Current	120A	
Maximum AC Charge Current	100A	
Maximum Charge Current	120A	
PHYSICAL		
Dimension, D x W x H (mm)	136 x 323.6 x 449.3	144 x 348 x 446
Net Weight (kgs)	10.3	12.5
Communication Interface	RS232/RS485/CAN	RS232/RS485/CAN/WiFi
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.