

# marvel<sup>®</sup>Tech

## Axpert VM II Elite

## Features

- Dual outputs, for smart load management.
- Two independent AC power sources connected. and switched automatically.
- Maximum PV input current increases to 27A.
- Wide PV input voltage range 60VDC~450VDC.
- Built-in communication port for BMS.
- Battery independent design.
- Built-in 120A MPPT solar charger.
- Battery equalization function to optimize battery performance and extend lifecycle.
- Optional WiFi with remote monitoring APP.
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)
- Feed-in to the grid function



MODEL	Axpert VM II Elite 6K
Rated Power	6000VA/6000W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
AC Voltage Regulation (Batt. Mode)	230VAC ± 5%
Surge Power	12000VA
Efficiency (Peak)	93%
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)
Waveform	Pure sine wave
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger type	MPPT
Maximum PV Array Power	6000W
MPPT Range @ Operating Voltage	60 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	500 VDC
Maximum PV Input Current	27A
Maximum Solar Charge Current	120A
Maximum AC Charge Current	100A
Maximum Charge Current	120A
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	136 x 323.6 x 449.3
Net Weight (kgs)	10.3
Communication Interface	RS232/RS485/Optional WiFi
<b>OPERATING ENVIRONMENT</b>	
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