

# Axpert VM II Elite Off-Grid Inverter



- 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
- Output power factor 1

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## Axpert VM II Elite Off-Grid Inverter Specification

| MODEL                                 | Axpert VM II Elite 6K  |
|---------------------------------------|--|
| <b>RATED POWER</b>                    | 6000VA/6000W   |
| <b>INPUT</b>                          |  |
| Voltage                               | 230 VAC  |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers)<br>90-280 VAC (For Home Appliances) |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)   |
| <b>OUTPUT</b>                         |  |
| AC Voltage Regulation (Batt. Mode)    | 230VAC $\pm$ 5%  |
| Surge Power                           | 12000VA  |
| Efficiency (Peak)                     | 93%  |
| Transfer Time                         | 10 ms (For Personal Computers)<br>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 Open Circuit Voltage | 500 VDC  |
| Maximum PV Array Power                | 6000W  |
| 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   |
| <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  |
| <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.