

# Axpert VM II Premium Off-Grid Inverter



- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range
- Battery independent design
- Maximum charging current 100A
- Battery equalization function to optimize battery performance and extend lifecycle
- Built-in anti-dust kit

## Axpert VM II Premium Off-Grid Inverter Selection Guide

| MODEL  | Axpert VM II Premium 1.2K  | Axpert VM II Premium 2.5K | Axpert VM II Premium 3K | Axpert VM II Premium 5K |
|--|--|---------------------------|-------------------------|-------------------------|
| Rated Power  | 1200VA/1200W   | 2500VA/2500W              | 3000VA/3000W            | 5000VA/5000W            |
| <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  | 2400VA   | 5000VA                    | 6000VA                  | 10000VA                 |
| 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  | 12 VDC   | 24 VDC                    | 48 VDC                  |                         |
| Floating Charge Voltage  | 13.5 VDC   | 27 VDC                    | 54 VDC                  |                         |
| Overcharge Protection  | 16 VDC   | 32 VDC                    | 63 VDC                  |                         |
| <b>SOLAR CHARGER &amp; AC CHARGER</b>                                |  |                           |                         |                         |
| <b>Solar Charger Type</b>  |  |                           |                         |                         |
| Maximum PV Array Open Circuit Voltage                                | MPPT   |                           |                         |                         |
| Maximum PV Array Power   | 350 VDC  | 450 VDC                   | 500 VDC                 |                         |
| MPP Range @ Operating Voltage  | 2000W  | 3000W                     | 5000W                   |                         |
| Maximum Solar Charge Current   | 60 ~ 300 VDC   | 60 ~ 400 VDC              | 120 ~ 450VDC            |                         |
| Maximum AC Charge Current  | 100 A  |                           |                         | 100A                    |
| Maximum Charge Current   | 80A  |                           |                         | 100A                    |
| PHYSICAL   | 100A   |                           |                         | 100A                    |
| <b>Dimension, D x W x H (mm)</b>                                     |  |                           |                         |                         |
| Net Weight (kgs)   | 90 x 288 x 357   |                           | 110 x 288 x 390         | 120 x 300 x 440         |
| Communication Interface  | 6.5  | 7.0                       | 7.2                     | 10                      |
| <b>ENVIRONMENT</b>   |  |                           |                         |                         |
| Humidity   | RS232/RS485, optional WiFi   |                           |                         |                         |
| Operating Temperature  | 5% to 95% Relative Humidity (Non-condensing)                               |                           |                         |                         |
| Storage Temperature  | -10°C to 50°C  |                           |                         |                         |
| Product specifications are subject to change without further notice. | -15°C to 60°C  |                           |                         |                         |