

# Axpert VM III TWIN Hybrid Inverter



- Detachable LCD control module with various communications
- Maximum PV input current 27A
- Dual output for smart load management
- Built-in WiFi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Reserved communication port (RS485, CAN-BUS or RS232) for BMS
- Battery independent design
- Battery equalization extends lifecycle
- User-friendly LCD operation
- Replaceable fan design for ease of maintenance
- Feed-in to the grid function

## Axpert VM III TWIN Hybrid Inverter Selection Guide

| MODEL                                 | Axpert VM III TWIN 4K                                                    | Axpert VM III TWIN 6K |
|---------------------------------------|--------------------------------------------------------------------------|-----------------------|
| <b>RATED POWER</b>                    | 4000VA/4000W                                                             | 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 $\pm$ 10%                                                         |                       |
| Surge Power                           | 8000VA                                                                   | 12000VA               |
| Efficiency (Peak)                     | 90% ~ 93%                                                                |                       |
| Transfer Time                         | 10 ms (For Personal Computers)<br>20 ms (For Home Appliances)            |                       |
| Waveform                              | Pure sine wave                                                           |                       |
| <b>BATTERY</b>                        |                                                                          |                       |
| Battery Voltage                       | 24 VDC                                                                   | 48 VDC                |
| Floating Charge Voltage               | 27 VDC                                                                   | 54 VDC                |
| Overcharge Protection                 | 33 VDC                                                                   | 63 VDC                |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |                                                                          |                       |
| Solar Charger type                    | MPPT                                                                     |                       |
| Maximum PV Array Power                | 5000W                                                                    | 6000W                 |
| MPP Range @ Operating Voltage         | 60 ~ 450 VDC                                                             | 60 ~ 450 VDC          |
| Maximum PV Array Open Circuit Voltage | 500 VDC                                                                  | 500 VDC               |
| Maximum PV Input Current              | 27A                                                                      |                       |
| Maximum Solar Charge Current          | 120A                                                                     | 120A                  |
| Maximum AC Charge Current             | 100A                                                                     | 100A                  |
| Maximum Charge Current                | 120A                                                                     | 120A                  |
| <b>PHYSICAL</b>                       |                                                                          |                       |
| Dimension, D x W x H (mm)             | 115 x 300 x 435                                                          |                       |
| Net Weight (kgs)                      | 9                                                                        | 10                    |
| Communication Interface               | USB/RS232/RS485/WiFi/Dry-contact                                         |                       |
| <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.