

# Axpert V Off-Grid Inverter



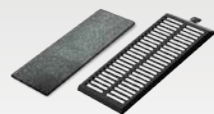
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible with mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function



Anti-Dust Kit (optional)

### Anti-Dust Kit (Option)

After installing this anti-dust kit, inverter will automatically detect this kit and activate internal thermal sensor to adjust internal temperature. By virtue of the dustproof design, it dramatically increases product reliability in harsh environment.



## Axpert V Off-Grid Inverter Selection Guide

| MODEL                                 | Axpert VP 1000-12   | Axpert VP 2000-24 | Axpert VP 3000-24 | Axpert VM 3000-24 | Axpert VM 3000-24 Plus | Axpert VM II 3000-24 | Axpert VP 5000-48 | Axpert VM 5000-48 | Axpert VM II 5000-48 |
|---------------------------------------|---|-------------------|-------------------|-------------------|------------------------|----------------------|-------------------|-------------------|----------------------|
| Rated Power                           | 1000VA/800W   | 2000VA/1600W      |                   | 3000VA / 2400W    |                        |                      | 5000VA / 4000W    |                   |                      |
| <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                           | 2000VA  | 4000VA            | 6000VA            |                   |                        |                      | 10000VA           |                   |                      |
| Efficiency (Peak)                     | 90% ~ 93%   |                   |                   |                   |                        |                      |                   |                   |                      |
| Transfer Time                         | 10 ms (For Personal Computers) ; 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  | 31 VDC            | 33 VDC            |                   |                        |                      | 63 VDC            |                   |                      |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |   |                   |                   |                   |                        |                      |                   |                   |                      |
| Solar Charger type                    | PWM   | PWM               | PWM               | MPPT              |                        | MPPT                 | PWM               | MPPT              | MPPT                 |
| Maximum PV Array Open Circuit Voltage | 55 VDC  | 80 VDC            | 80 VDC            | 102 VDC           | 145 VDC                | 500 VDC              | 105 VDC           | 145 VDC           | 500 VDC              |
| Maximum PV Array Power                | 600 W   | 1200 W            | 1200 W            | 1000 W            | 1500 W                 | 4000 W               | 2400 W            | 3000 W            | 4000 W               |
| MPP Range @ Operating Voltage         | N/A   | N/A               | N/A               | 30~80 VDC         | 30~115 VDC             | 120~450 VDC          | N/A               | 60 ~ 115 VDC      | 120~450 VDC          |
| Maximum Solar Charge Current          | 50 A  | 50 A              | 50 A              | 40 A              | 60 A                   | 80 A                 | 50 A              | 60 A              | 80 A                 |
| Maximum AC Charge Current             | 20 A  | 20 A              | 25A               | 25A               | 60 A                   | 60 A                 | 60 A              | 60 A              | 60 A                 |
| Maximum Charge Current                | 50 A  | 50 A              | 70 A              | 60 A              | 120 A                  | 80 A                 | 110 A             | 120 A             | 80 A                 |
| <b>PHYSICAL</b>                       |   |                   |                   |                   |                        |                      |                   |                   |                      |
| Dimension, D x W x H (mm)             | 88 x 225 x 320  |                   | 100 x 285 x 334   |                   | 100 x 300 x 440        |                      | 100 x 300 x 440   |                   |                      |
| Net Weight (kgs)                      | 5.0   | 5.5               | 6.3               | 6.5               | 9.5                    | 9                    | 8.5               | 9.7               | 10                   |
| Communication Interface               | USB/RS232   |                   |                   |                   |                        |                      |                   |                   |                      |
| <b>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.