

# Axpert King Off-Grid Inverter



- Zero transfer time to protect mission-critical loads such as servers and ATM.
- Detachable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Parallel operation up to 9 units

OFF-GRID INVERTER

## Axpert King Off-Grid Inverter Selection Guide

| MODEL                                 | Axpert King 3K                               | Axpert King 5K    |
|---------------------------------------|--|-------------------|
| Rated Power                           | 3000VA/3000W                                 | 5000VA/5000W      |
| Parallel Capability                   | Up to 9 units                                | Up to 9 units     |
| <b>INPUT</b>                          |  |                   |
| Voltage                               | 230 VAC                                      |                   |
| Voltage Range                         | 110-280 VAC                                  |                   |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)                   |                   |
| <b>OUTPUT</b>                         |  |                   |
| AC Voltage Regulation                 | 230 VAC ± 5%                                 |                   |
| Output THDv                           | <3% for linear load, <8% for non-linear load |                   |
| Surge Power                           | 6000VA for 5 sec                             | 10000VA for 5 sec |
| Efficiency (Peak)                     | 93 % at Line Mode, 90% at Battery Mode       |                   |
| Transfer Time                         | 0 ms   |                   |
| Waveform                              | Pure sine wave                               |                   |
| <b>BATTERY</b>                        |  |                   |
| Battery Voltage                       | 24 VDC                                       | 48 VDC            |
| Floating Charge Voltage               | 27 VDC                                       | 54 VDC            |
| Overcharge Protection                 | 34 VDC                                       | 66 VDC            |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |  |                   |
| Solar Charger Type                    | MPPT   | MPPT              |
| Maximum PV Array Open Circuit Voltage | 145 VDC                                      |                   |
| Maximum PV Array Power                | 1500 W                                       | 4000 W            |
| MPP Range @ Operating Voltage         | 30 ~ 115 VDC                                 | 60~115VDC         |
| Maximum Solar Charge Current          | 60 A   | 80 A              |
| Maximum AC Charge Current             | 60 A   | 60 A              |
| Maximum Charge Current                | 120 A  | 140 A             |
| <b>PHYSICAL</b>                       |  |                   |
| Dimension, D x W x H (mm)             | 140 x 303 x 525                              |                   |
| Net Weight (kgs)                      | 13.0   | 13.5              |
| Communication Interface               | USB/RS232/RS485/Bluetooth/Dry-contact        |                   |
| <b>ENVIRONMENT</b>                    |  |                   |
| Humidity                              | 5% to 95% Relative Humidity (Non-condensing) |                   |
| Operating Temperature                 | 0°C to 55°C                                  |                   |
| Storage Temperature                   | -15°C to 60°C                                |                   |

Product specifications are subject to change without further notice.