

# Axpert MAX Off-Grid Inverter

OFF-GRID INVERTER



- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring (Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so on
- Parallel operation up to 6 units only available for 7.2kVA

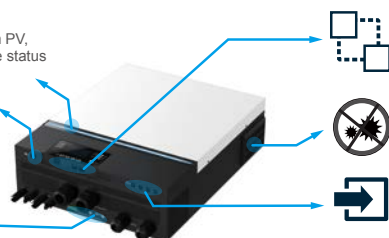

**RGB light:**

Different color to present output source from PV, Grid or battery and battery charge/discharge status


**Communication for Remote panel**

**Parallel connectors:**

Maximum 6 units in parallel (only for MAX-7200)


**Diverse communications:**

USB On-the-Go function, Dry contact and BMS communication


**Anti-dust filter:**

Increase product reliability in harsh environment


**DC output connectors:**

Connect to DC fan, LED bulb or router



## Axpert MAX Off-Grid Inverter Selection Guide

| MODEL                                 | Expert MAX 3600-24-230   | Expert MAX 7200-48-230   |
|---------------------------------------|--|--|
| Rated Power                           | 3600VA / 3600W   | 7200VA / 7200W   |
| PARALLEL CAPABILITY                   | NO   | Yes, up to 6 units   |
| INPUT                                 |  |  |
| Voltage                               | 230 VAC  | 230 VAC  |
| Selectable Voltage Range              | 170-280 VAC (For Personal Computers)<br>90-280 VAC (For Home Appliances) | 170-280 VAC (For Personal Computers)<br>90-280 VAC (For Home Appliances) |
| Frequency Range                       | 50 Hz/60 Hz (Auto sensing)   |  |
| OUTPUT                                |  |  |
| AC Voltage Regulation (Batt. Mode)    | 230VAC ± 5%  | 230VAC ± 5%  |
| Surge Power                           | 7500VA   | 15000VA  |
| Efficiency (Peak)                     | 90% ~ 93%  |  |
| Transfer Time                         | 15 ms (For Personal Computers) ; 20 ms (For Home Appliances)             |  |
| Waveform                              | Pure sine wave   |  |
| No Load Power Consumption             | < 45W  | < 70W  |
| Optional DC Voltage                   | 12 VDC ± 5%, 100W  |  |
| BATTERY                               |  |  |
| Battery Voltage                       | 24 VDC   | 48 VDC   |
| Floating Charge Voltage               | 27 VDC   | 54 VDC   |
| Overcharge Protection                 | 33 VDC   | 66 VDC   |
| SOLAR CHARGER & AC CHARGER            |  |  |
| Solar Charger Type                    | MPPT   |  |
| Maximum PV Array Power                | 4000 W   | 8000W (4000W x 2)  |
| MPPT Range @ Operating Voltage        | 120 ~ 450 VDC  | 90 ~ 450 VDC   |
| Maximum PV Array Open Circuit Voltage | 500 VDC  | 500 VDC  |
| Maximum Solar Charge Current          | 80 A   |  |
| Maximum AC Charge Current             | 80 A   |  |
| Maximum Charge Current                | 80 A   |  |
| PHYSICAL                              |  |  |
| Dimension, D x W x H (mm)             | 147.4 x 432.5 x 553.6  |  |
| Net Weight (kgs)                      | 14.1   | 18.4   |
| Communication Interface               | USB/RS232/RS485/Wifi/Dry-contact   |  |
| OPERATING ENVIRONMENT                 |  |  |
| Humidity                              | 5% to 95% Relative Humidity(Non-condensing)                              |  |
| Operating Temperature                 | -10°C to 50°C  |  |
| Storage Temperature                   | -15°C to 60°C  |  |
| STANDARD                              |  |  |
| Compliance Safety                     | CE   | CE   |

Product specifications are subject to change without further notice.