

TRIEX. Series

MPPT SOLAR INVERTER

Hybrid Inverter



Axpert Ultra-Max 8kW, PV10000

- Dual outputs for smart load management
- Two independent AC power sources connected and switched automatically
- Built-in current transformer sensor to meet self-consumption application
- Support external BTS (Battery Temperature Sensor) detection
- Built-in power status lighting indicators
- Built-in 2.8" colored LCD with slide operation
- Built-in Wi-Fi for mobile monitoring and OTA firmware upgrade
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Support optional GFCI, Rapid shutdown, AFCI detections
- Parallel operation with 6 units

HYBRID INVERTER

Axpert Ultra Max 8kW, PV10000 Hybrid Inverter Selection Guide

| MODEL | Axpert Ultra Max 8K | Axpert Ultra Max 11K |
|---------------------------------------|--|----------------------|
| RATED POWER | 8000VA/8000W | 11000VA/11000W |
| RATED POWER | YES, 6 units | |
| INPUT | | |
| Voltage | 230VAC | |
| Selectable Voltage Range | 170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | |
| OUTPUT | | |
| AC Voltage Regulation (Batt. Mode) | 230VAC \pm 5% | |
| Surge Power | 16000VA | 22000VA |
| Efficiency (Peak) | 93% | |
| Transfer Time | 10 ms (For Personal Computers) 20 ms (For Home Appliances) | |
| Waveform | Pure sine wave | |
| BATTERY | | |
| Battery Voltage | 48 VDC | |
| Floating Charge Voltage | 54 VDC | |
| Overcharge Protection | 63 VDC | |
| SOLAR CHARGER & AC CHARGER | | |
| Solar Charger type | MPPT | |
| Maximum PV Array Power | 10000W (5000W x 2) | 12000W (6000W x 2) |
| MPPT Range @ Operating Voltage | 90-450 VDC | |
| Maximum PV Array Open Circuit Voltage | 500 VDC | |
| Maximum PV Input Current | 27A x 2 (MAX 40A) | |
| Maximum Solar Charge Current | 150A | 150A |
| Maximum AC Charge Current | 120A | 150A |
| Maximum Charge Current | 150A | 150A |
| PHYSICAL | | |
| Dimension, D x W x H (mm) | 145 x 438 x 553.6 | |
| Net Weight (kgs) | 18.4 | |
| Communication Interface | USB/RS232/RS485/WiFi/Dry-contact/BTS Support optical GFCI, Rapid shutdown, AFCI detection | |
| External Current Sensor Port | Yes, built-in current transformer sensor | |
| 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 | |

Product specifications are subject to change without further notice.