

Axpert MAX TRI Off-Grid Inverter



- Dual inputs and three outputs for smart energy management
- Status indication with RGB lights
- Upgrade maximum PV current to **60A** for 12K model
- Built-in Wi-Fi for mobile monitoring and OTA firmware
- Supports USB (Type-C) On-the-Go function for exporting log and firmware upgrade
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Built-in external CT sensor to guarantee 100% self-consumption
- Built-in anti-dust kit
- Parallel operation with 6 units

12K2000VA 11K1000VA

Axpert MAX TRI Off-Grid Inverter Selection Guide

MODEL	Axpert MAX TRI 11K	Axpert MAX TRI 12K
CAPACITY	11000VA/11000W	12000VA/12000W
PARALLEL CAPABILITY	YES, 6 units	
INPUT		
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)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Surge Power	22000VA	24000VA
Efficiency (Peak)	93%	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	63 VDC	63 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	12000W (6000W x 2)	18000W (Max. 12000W per tracker)
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2 (MAX 40A)	40A/27A (MAX 60A)
Maxmum Solar Charge Current	150 A	200 A
Maximum AC Charge Current	150 A	200 A
Maximum Charge Current	150 A	200 A
PHYSICAL		
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6	
Net Weight (kgs)	18.5	18.8
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	IEC 62109, IEC 61683, EN/IEC 61000-6-2, 61000-6-4, 61000-3-11, 61000-3-12	

Product specifications are subject to change without further notice.