OFF- GRID INVERTER

Axpert Ultra TWIN





- □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
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Support optional GFCI, Rapid shutdown, AFCI detections
- □Supports USB On-the-Go function
- Parallel operation with 6 units



Axpert Ultra Off-Grid Inverter Selection Guide

MODEL	Axpert Ultra TWIN 8K		Axpert Ultra TWIN 11K
Rated Power	8000VA/8000W		11000VA/11000W
Parallel Capability	YES, 6 units		
INPUT	50		
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)		
ОИТРИТ	4		
AC Voltage Regulation (Batt. Mode)	230VAC ± 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 × 2)		12000W (6000W × 2)
MPPT Range @ Operating Voltage		90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC		
Maximum PV Input Current	27A × 2 (MAX 40A)		
Maxmum Solar Charge Current	150A 150A		
Maximum AC Charge Current	120A		150A
Maximum Charge Current	150A		150A
PHYSICAL		1,000	
Dimension, D x W x H (mm)	145 × 438 × 553.6		
Net Weight (kgs)	18.4		
Communication Interface	USB, RS232, RS485, WiFi, Dry-contact, BTS, Support optional 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.

