

Axpert King II TWIN Off-Grid Inverter



- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- High PV input voltage range
- Detachable LCD control module with multiple communications
- Selectable high power charging current
- Built-in Wi-Fi for mobile monitoring (App is available)
- Configurable AC/Solar input priority via LCD setting
- Reserved communication port for BMS (RS485 or CAN-BUS)
- USB On-the-Go function
- Parallel operation up to 9 units

AXPERT KING II TWIN OFF-GRID INVERTER

Axpert King II TWIN Off-Grid Inverter Selection Guide

MODEL		Axpert King II TWIN 6K		Axpert King II TWIN 6.2K	
RATED POWER		6000VA/6000W		6200VA/6200W	
PARALLEL CAPABILITY		Up to 9 units			
GRID INPUT					
Voltage		230 VAC			
Voltage Range		110-280 VAC			
Frequency Range		50 Hz/60 Hz (Auto sensing) ± 4Hz			
Power Factor		≥ 0.98 @ Nominal Voltage (100% Load)			
THDi		≤ 10%			
LOAD OUTPUT					
AC Voltage Regulation (Line&Batt. Mode)		230VAC ± 5%			
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz			
Frequency Range (Batt. Mode)		50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz			
Harmonic Distortion		≤ 3 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)			
Transfer Time	AC Mode to Batt. Mode	0 ms			
	Inverter to Bypass	4 ms (Typical)			
Waveform		Pure sine wave			
EFFICIENCY					
Line Mode		94%			
ECO Mode		98%			
Battery Mode		92%			
BATTERY					
Battery Voltage		40~66 VDC			
Floating Charge Voltage		54 VDC			
Overcharge Protection		66 VDC			
SOLAR INPUT					
Solar Charger type		MPPT			
Maximum PV Array Power		6000 W			
MPPT Range @ Operating Voltage		120 ~ 430 VDC			
Maximum PV Array Open Circuit Voltage		500 VDC			
Maximum Solar Charge Current		120A		120A	
Maximum AC Charge Current		120A		120A	
PHYSICAL					
Dimension, D x W x H (mm)		140 x 295 x 468			
Net Weight (kgs)		12			
Communication Interface		RS232, USB, Dry contact, WI-FI, RS485			
ENVIRONMENT					
Humidity		5% to 95% Relative Humidity(Non-condensing)			
Operating Temperature		-10°C to 50°C			
Storage Temperature		-15°C to 60°C			

Product specifications are subject to change without further notice.