

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 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.