

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

Off-Grid Inverter

Axpert King II TWIN Off-Grid Inverter Selection Guide

MODEL		Apert King II TWIN 6K	Apert 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)			
Net Weight (kgs)		140 x 295 x 468	
Communication Interface		12	
ENVIRONMENT		RS232, USB, Dry contact, WI-FI, RS485	
Humidity			
Operating Temperature		5% to 95% Relative Humidity(Non-condensing)	
Storage Temperature		-10°C to 50°C	
		-15°C to 60°C	

Product specifications are subject to change without further notice.