



- 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
- Detachable LCD control module with multiple communications
- 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)
- High PV input voltage range
- Selectable high power charging current
- 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
Rated Power		6000VA/6000W
Parallel Capability		Up to 9 units
GRID INPUT		
Voltage		230 VAC
Voltage Range		110-280 VAC
Frequency Range		50 Hz/60 Hz (Auto sensing) \pm 4Hz
Power Factor		\geq 0.98 @ Nominal Voltage (100% Load)
THDi		\leq 10%
OUTPUT		
AC Voltage Regulation (Line&Batt. Mode)		230VAC \pm 5%
Frequency Range (Synchronized Range)		46~54 Hz or 56~64 Hz
Frequency Range (Batt. Mode)		50 Hz \pm 0.1 Hz or 60Hz \pm 0.1 Hz
Harmonic Distortion		\leq 3 % THD (Linear Load); \leq 5 % THD (Non-linear Load)
Transfer Time	Transfer	0 ms
	Time	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
Maximum AC Charge Current		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.