



King II Twin

Features

- 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	King II TWIN 5K	King II TWIN 6K	King II TWIN 6.2K
RATED POWER	5000VA/5000W	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.)	230VAC ± 5%		
Frequency Range (Synchronized)	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	500 VDC		
Maximum Solar Charge Current	100A	120A	120A
Maximum AC Charge Current	100A	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.

