

Solatek King II 5KW



- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Supports USB On-the-Go function
- Data log events stored in the inverter
- Self-consumption and Feed-in to the grid
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Parallel operation up to 9 units

Solatek King II Off-Grid Inverter

MODEL		Axpert KING II-5000-48
Rated Power		5000VA/5000W
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%
LOAD 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	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		40~62 VDC
Floating Charge Voltage		54 VDC
Overcharge Protection		62 VDC
SOLAR INPUT		
Solar Charger type		MPPT
Maximum PV Array Power		6000 W
MPPT Range @ Operating Voltage		120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage		500 VDC
Maximum Solar Charge Current		100A
Maximum AC Charge Current		100A
PHYSICAL		
Dimension, D x W x H (mm)		138.4 x 298 x 467.6
Net Weight (kgs)		12
Communication Interface		RS232, USB, DRY CONTACT, WI-FI, RS485, CAN
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.