

- Zero (0ms) transfer time to protect mission-critical loads such as servers and ATMs
- Removable LCD control module with multiple communications
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Configurable AC/PV output usage timer and prioritization
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional parallel operation up to 9 units



Axpert King Rack Specification

MODEL	Axpert King Rack 3K	Axpert King Rack 5K
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	Up to 9 units	
INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation	230 VAC \pm 5%	
Output THDv	\leq 3% for Linear load, \leq 8 % for non-linear load	
Surger Power	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	93 % at Line Mode, 90% at Battery Mode	
Transfer Time	0 ms	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Open Circuit Voltage	145 VDC	
Maximum PV Array Power	1500 W	4000 W
MPPT Range @ Operating Voltage	30 ~ 115 VDC	60 ~ 115 VDC
Maximum Solar Charge Current	60A	80A
Maximum AC Charge Current	60A	
Maximum Charge Current	120A	140A
PHYSICAL		
Dimension, D X W X H (mm)	415 x 438 x 130.8	
Net Weight (kgs)	15.5	16.0
Communication Interface	USB/RS232/RS485/Bluetooth/Dry-contact	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	0°C to 55°C	
Storage Temperature	-15°C to 60°C	

* Product specifications are subject to change without further notice



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Advancing Power