

# Axpert King Off-Grid Inverter



- Zero (0ms) transfer time, protects mission-critical loads: servers, ATMs.
- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Configurable AC/Solar input priority via LCD setting
- Compatible to Utility Mains or generator input
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold star function

## Axpert King Off-Grid Inverter Selection Guide

MODEL	Axpert KING-3000P	Axpert KING-3000M	Axpert KING-5000M
Rated Power	3000VA/3000W	3000VA/3000W	5000VA/5000W
Parallel Operation	N/A	Optional up to 9 units	Optional up to 9 units
<b>INPUT</b>			
Voltage	230 VAC		
Voltage Range	176-280 VAC at 100% load / 110-280 VAC at 50% load		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
<b>OUTPUT</b>			
AC Voltage Regulation	220/230/240VAC $\pm$ 3%		
Output THDv	<3% for linear load, <5% for non-linear load		
Surge Power	6000VA for 5 sec	6000VA for 5 sec	10000VA for 5 sec
Efficiency (Peak)	Line mode: >92%; Bat. mode: >93%		
Transfer Time	0 ms (For Line mode to Battery mode) 10 ms (For Inverter mode to Bypass mode)		
Waveform	Pure sine wave		
<b>BATTERY</b>			
Battery Voltage	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	32 VDC		64 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Solar Charger type	PWM	MPPT	MPPT
Maximum PV Array Open Circuit Voltage	80 VDC	145 VDC	
Maximum PV Array Power	1200 W	1500 W	4000 W
MPP Range @ Operating Voltage	N/A	30 ~ 115 VDC	60~115VDC
Maximum Solar Charge Current	50 A	60 A	80 A
Maximum AC Charge Current	60 A	60 A	60 A
Maximum Charge Current	110 A	120 A	140 A
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	100 x 272 x 355		120 x 295 x 468
Net Weight (kgs)	6.9	7.4	11
Communication Interface	USB/RS232		
<b>ENVIRONMENT</b>			
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.