

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	Apkert KING-3000P	Apkert KING-3000M	Apkert KING-5000M
Rated Power	3000VA/3000W	3000VA/3000W	5000VA/5000W
Parallel Operation	N/A	Optional up to 9 units	Optional up to 9 units
INPUT			
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)		
OUTPUT			
AC Voltage Regulation	220/230/240VAC ± 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		
BATTERY			
Battery Voltage	24 VDC		48 VDC
Floating Charge Voltage	27 VDC		54 VDC
Overcharge Protection	32 VDC		64 VDC
SOLAR CHARGER & AC CHARGER			
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
Maxmum 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
PHYSICAL			
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		
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.