

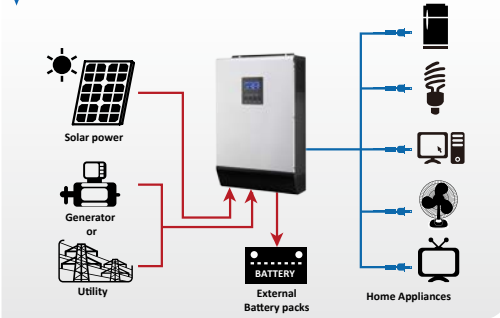
Axpert KS Off-Grid Inverter



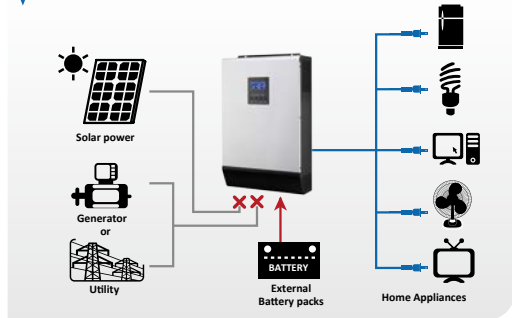
- Pure sine wave inverter
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 9 units only available for 3KP/4KVA/5KVA models*
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Optional remote panel available

Off-grid inverter with PWM solar charge controller

1 Solar Power and AC Power available



2 Solar Power and AC Power not available



Axpert KS Off-Grid Selection Guide

MODEL	Axpert KS 1K	Axpert KS 2K	Axpert KS 3K	Axpert KS 3KP	Axpert KS 4K	Axpert KS 5K	Axpert KS 5KP
Rated Power	1000VA / 800W	2000VA/1600W	3000VA / 2400W	3000VA / 2400W	4000VA / 3200W	5000VA / 4000W	5000VA / 4000W
Parallel Capability	No	No	No	Yes, 9 units	Yes, 9 units	Yes, 9 units	Yes, 9 units
INPUT							
Voltage	230 VAC						
Selectable Voltage Range	170-280 VAC (For Personal Computers) ; 90-280 VAC (For Home Appliances)						
Frequency Range	50 Hz/60 Hz (Auto sensing)						
OUTPUT							
AC Voltage Regulation (Batt. Mode)	230VAC ± 5 %						
Surge Power	2000VA	4000VA	6000VA	6000VA	8000VA	10000VA	10000VA
Efficiency (Peak)	90%	93%	90%	90%	93%	90%	90%
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)						
Waveform	Pure sine wave						
BATTERY							
Battery Voltage	12 VDC	24 VDC		24 VDC	48 VDC		24 VDC
Floating Charge Voltage	13.5 VDC	27 VDC		Default:24 VDC, Max:30 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)		Default:24 VDC, Max:30 VDC
Overcharge Protection	15.5 VDC	31 VDC		32 VDC	60 VDC (optional 66VDC, please check with sales)		32 VDC
SOLAR CHARGER & AC CHARGER							
Maximum PV Array Open Circuit Voltage	50VDC	60VDC		75VDC	105VDC		75VDC
Maximum PV Array Power	600 W	1200 W		1200 W	2400W		1200 W
Standby Power Consumption	1 W	2 W		2 W	2W		2 W
Maximum Solar Charge Current	50A	50A		50A	50A		50A
Maximum AC Charge Current	10 A or 20 A	20 A or 30 A		60 A	60 A		60 A
Maximum Charge Current	50 A			110 A	110 A		110 A
PHYSICAL							
Dimension, D x W x H (mm)	95 x 240 x 316	100 x 272 x 355		100 x 272 x 385	120 x 295 x 468		180x 310 x 475
Net Weight (kgs)	5.0	6.4	6.9	7.0	9.8	9.8	11.5
OPERATING ENVIRONMENT							
Humidity	5% to 95% Relative Humidity (Non-condensing)						
Operating Temperature	0°C - 55°C						
Storage Temperature	-15°C - 60°C						

*Typical transfer time for parallel operation is 30ms. Product specifications are subject to change without further notice.