

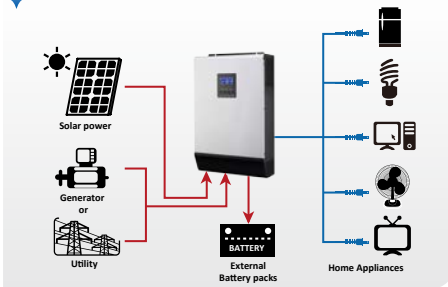
Axpert KS Off-Grid Inverter



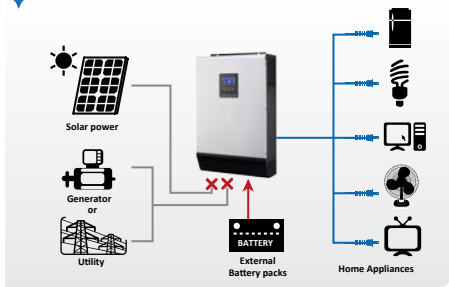
- Pure sine wave inverter
- Output power factor 1 (only 0.8 for 3KP/5KP models)
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 9 units only available for 3KP/4KVA/5KVA/5KP models*
- Auto restart while AC is recovering
- Overload and short circuit protection
- Battery equalization for optimized battery performance and lifecycle
- 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 Inverter 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/1000W	2000VA/2000W	3000VA/3000W	3000VA/2400W	4000VA/4000W	5000VA/5000W	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%	93%		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		27 VDC	54 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)	27 VDC
Overcharge Protection	15.5 VDC	31 VDC		30 VDC	60 VDC	60 VDC (optional 66VDC, please check with sales)	30 VDC
SOLAR CHARGER & AC CHARGER							
Maximum PV Array Open Circuit Voltage	50VDC	60VDC		75VDC	90VDC		75VDC
Maximum PV Array Power	600 W	1200 W		1200 W	2400W		1200 W
Standby Power Consumption	1 W	2 W		2 W	5W		5W
Maximum Solar Charge Current	50A	50A		50A	50A		50A
Maximum AC Charge Current	20 A	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	155 x 295 x 455		180 x 310 x 475
Net Weight (kgs)	5.0	6.4	6.9	7.5	9.8	9.8	12.5
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.