



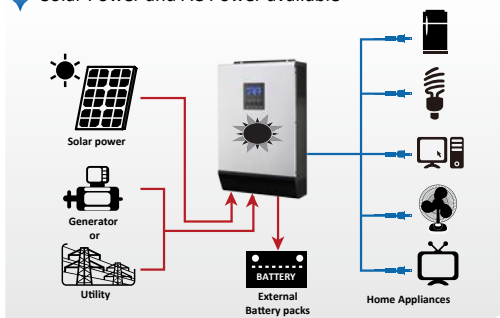
FCS Axpert KS PF1 Off-Grid Inverter



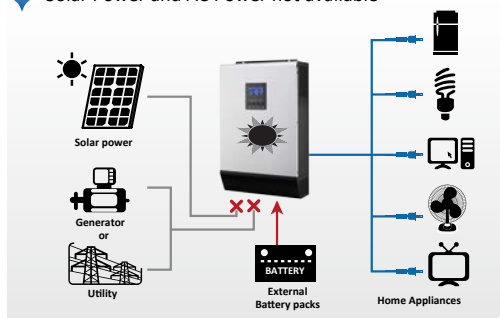
- Pure sine wave inverter
- Output power factor 1 (only 0.8 for 3KP/5KP models)
- Selectable input voltage range for home appliances and personal computers
- Selectable charging current based on applications
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Parallel operation with up to 9 units only available for 3KP/4KVA/5KVA 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



FCS-Axpert KS PF1 Off-Grid Selection Guide

	FCS Axpert KS-3k						
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		Default:24 VDC, Max:30 VDC	54 VDC	54 VDC Max: 58VDC (optional 64VDC, please check with sales)	Default:24 VDC, Max:30 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		180x 310 x 475
Net Weight (kgs)	5.0	6.4	6.9	7.0	9.8	9.8	11.5
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.