

Axpert MKS Backboard



AC Input & Output Breaker



AC Transfer Switch



PV Isolator



Battery Isolator



All pre-wired and terminals to assist
with connection



Reduced overall installation time

*External battery fuses may still be required.

Axpert MKS Off-Grid Inverter Selection Guide

MODEL	Rated Power	3000 VA/3000W	5000 VA/5000W
	Parallel Capability	No	Yes, 9 units
INPUT	Voltage	230 VAC	
	Voltage Range	170-280 VAC (For personal computers); 90-280 VAC (For home appliances)	
	Frequency Range	50Hz/60Hz (Auto sensing)	
OUTPUT	AC Voltage Regulation	230 VAC \pm 5%	
	Surge Power	6 000VA	10 000VA
	Efficiency (Peak)	90% – 93%	93%
	Transfer Time	10ms (For personal computers); 20ms (For home appliances)	
	Waveform	Pure sine wave	
BATTERY	Battery Voltage	24 VDC	48 VDC
	Floating Charge Voltage	27 VDC	54 VDC Max: 58 VDC (optional 64 VDC, please check with sales)
	Overcharge Protection	31 VDC	60 VDC (optional 66 VDC, please check with sales)
SOLAR CHARGER & AC CHARGER	Maximum PV Array Power	1500W	4000W
	MPPT Range @ Operating Voltage	60 VDC ~ 115 VDC	60 VDC ~ 115 VDC
	Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC
	Maximum Solar Charge Current	60A	80A
	Maximum AC Charge Current	20A or 30A (Selectable)	60A
	Maximum Charge Current	90A	140A
	Maximum Efficiency	98%	-
	Standby Power Consumption	2W	-
PHYSICAL	Dimension, D x W x H (mm)	140 x 295 x 479	120 x 295 x 468
	Net Weight (Kg)	11.5	13.5
ENVIRONMENT	Humidity	5% to 95% Relative Humidity (Non-condensing)	
	Operating Temperature	0°C to 55°C	
	Storage Temperature	-15°C to 60°C	

* Typical transfer time for parallel operation is 30ms.
Product specifications are subject to change without further notice.
All above mentioned dimensions are for the Inverter only.

If you have any questions contact us at:
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