

Axpert MKS II Off-Grid Inverter



- Pure sine wave solar inverter
- Selectable high power charging current
- Wide DC input range
- Selectable input voltage range for home appliances and personal computers
- Configurable AC/Solar input priority via LCD setting
- Compatible to mains voltage or generator power
- Auto restart while AC is recovering
- Overload and short circuit protection
- Smart battery charger design for optimized battery performance
- Cold start function
- Parallel operation with up to 9 units
- Optional dual outputs for smart load management (check sales)

Axpert MKS II Off-Grid Inverter Selection Guide

MODEL	Axpert MKS II 5000-48	Axpert MKS II 6000-48
RATED POWER	5000VA/5000W	6000VA/6000W
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)	50 Hz/60 Hz (Auto sensing)
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC \pm 5%	
Overload capacity	5s@ \geq 150% load; 10s@110%~150% load; 100ms @ \geq 200% load	
Efficiency (Peak)	90 %	
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Power	4500W	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC	120 ~ 430 VDC
Maximum PV Array Open Circuit Voltage	450 VDC	500 VDC
Maximum Solar Charge Current	100 A	120 A
Maximum AC Charge Current	100 A	120 A
Maximum Charge Current	100 A	120 A
PHYSICAL		
Dimension, D x W x H (mm)	120 x 295 x 468	
Net Weight (kgs)	11.0	
Communication Interface	USB and 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.