

# Axpert MKS Plus Off-Grid Inverter



- Pure sine wave inverter
- Output power factor 1
- Built-in MPPT solar charge controller
- 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 with 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
- Optional remote panel available

## Axpert MKS Plus Off-Grid Inverter Selection Guide

MODEL	Axpert MKS 2K-24 Plus	Axpert MKS 2K-48 Plus	Axpert MKS 3K-24 Plus	Axpert MKS 3K-48 Plus
Rated Power	2000VA/2000W	2000VA/2000W	3000VA/3000W	3000VA/3000W
<b>INPUT</b>				
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)			
<b>OUTPUT</b>				
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%			
Surge Power	4000VA		6000VA	
Efficiency (Peak)	90% - 93%			
Transfer Time	10 ms (For Personal Computers) 20 ms (For Home Appliances)			
Waveform	Pure sine wave			
<b>BATTERY</b>				
Battery Voltage	24 VDC	48 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	54 VDC	27 VDC	54 VDC
Overcharge Protection	31 VDC	62 VDC	31 VDC	62 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>				
Maximum PV Array Power	1500 W	3000 W	1500 W	3000 W
MPPT Range @ Operating Voltage	60~ 115 VDC	60 ~ 115 VDC	60~ 115 VDC	60 ~ 115 VDC
Maximum PV Array Open Circuit Voltage	145 VDC			
Maximum Solar Charge Current	60A			
Maximum AC Charge Current	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)	20 A or 30 A (Selectable)	10 A or 15 A (Selectable)
Maximum Charge Current	90 A	75 A	90 A	75 A
Maximum Efficiency	98%			
Standby Power Consumption	2 W			
<b>PHYSICAL</b>				
Dimension, D x W x H (mm)	140 x 295 x 479			
Net Weight (kgs)	11.5			
<b>ENVIRONMENT</b>				
Humidity	5% to 95% Relative Humidity (Non-condensing)			
Operating Temperature	0°C - 55°C			
Storage Temperature	-15°C - 60°C			

Product specifications are subject to change without further notice.