

Axpert MKS 4 TWIN Off-Grid Inverter



- Maximum PV input current 27A
- Dual outputs for smart load management
- Customizable status LED ring with RGB lights
- Touchable button with 4.3" colored LCD
- Wide DC input range
- Built-in Wi-Fi for mobile monitoring (App is available)
- Reserved communication port for BMS
- Battery independent function
- Parallel operation with up to 9 units

OFF-GRID INVERTER

Axpert MKS 4 TWIN Off-Grid Inverter Selection Guide

MODEL	Axpert MKS 4 TWIN 5K	Axpert MKS 4 TWIN 6K
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	55 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230 VAC ± 5%	
Overload capacity	5s@≥150% load; 10s@110%~150% load; 100ms @ ≥200% load	
Efficiency (Peak)	93 %	
Transfer Time	10 ms (For Personal Computers) ; 20 ms (For Home Appliances)	
Waveform	Pure sine wave	
BATTERY		
Battery Voltage	48 VDC	48 VDC
Floating Charge Voltage	54 VDC	54 VDC
Overcharge Protection	66 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	6000 W	6000 W
MPPT Range @ Operating Voltage	120 ~ 430 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A	
Maximum Solar Charge Current	120 A	120 A
Maximum AC Charge Current	120 A	120 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 295 x 468	
Net Weight (kgs)	12.0	12.0
Communication Interface	USB/RS232/RS485/Wifi/Dry-contact	
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.