

Axpert MKS III TWIN Off-Grid Inverter

OFF-GRID INVERTER



- Maximum PV input current 27A
- Dual outputs for smart load management
- Detachable LCD control module with multiple communications
- Wide DC input range
- Built-in WiFi for mobile monitoring (App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485)
- Smart battery charger design for optimized battery performance
- Battery independent function
- Parallel operation up to 9 units

Axpert MKS III TWIN Off-Grid Inverter Specification

MODEL	Axpert MKS III TWIN 6K
RATED POWER	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)
OUTPUT	
AC Voltage Regulation (Batt. Mode)	230 VAC $\pm$ 5%
Overload Capacity	5s@ $\geq$ 150% load; 10s@110%~150% 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	6000W
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
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	140 x 295 x 468
Net Weight (kgs)	12.0
Communication Interface	USB, RS232, RS485, WiFi
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.