

OFF- GRID INVERTER

Axpert MKS III TWIN



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



Axpert MKS III TWIN Off-Grid Inverter Selection Guide

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 ± 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
Floating Charge Voltage		54 VDC
Overcharge Protection		66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger type		MPPT
Maximum PV Array Power		6000W
MPP Range @ Operating Voltage		120 ~ 500 VDC
Maximum PV Array Open Circuit Voltage		500 VDC
Maximum PV Input Current		27A
Maximum Solar Charge Current		120A
Maximum AC Charge Current		120A
Maximum Charge Current		120A
PHYSICAL		
Dimension, D x W x H (mm)		140 x 295 x 468
Net Weight (kgs)		12.0
Communication Interface		USB, RS232, RS485, Bluetooth
OPERATING 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.