

- Pure sine wave solar inverter
- Detachable LCD control module with multiple communications
- Wide DC input range
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Support USB On-the-Go function
- Reserved communication port for BMS (RS485)
- Smart battery charger design for optimized battery performance
- Battery independent function
- Parallel operation with up to 9 units



Axpert MKS III Specification

MODEL	Axpert MKS III 5000-48
Rated Power	5000VA/5000W
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)	230VAC \pm 5%
Overload capacity	5s@ \geq 150% load; 10s@ 110%~150% load; 100ms @ \geq 200% load
Efficiency (Peak)	93%
Transfer Time	15 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	63 VDC
SOLAR CHARGER & AC CHARGER	
Solar Charger type	MPPT
Maximum PV Array Power	5000W
MPPT Range @ Operating Voltage	120 ~ 450 VDC
Maximum PV Array Open Circuit Voltage	450 VDC
Maximum Solar Charge Current	80A
Maximum AC Charge Current	80A
PHYSICAL	
Dimension, D X W X H (mm)	140 x 295 x 468
Net Weight (kgs)	12kg
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



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