



6000VA



SOLAR INVERTER

- Maximum PV input current 27A
- Dual outputs for smart load management
- Built-in WiFi for mobile monitoring (APP is available)
- Programmable supply priority for PV, Battery or Grid
- User-adjustable charging current and voltage
- Detachable LCD panel
- Supports USB on-the-go function
- Reserve BMS communication
- Parallel operation up to 9 units



Solar Inverter Specifications

MODEL	AXPERT MKS III 6KW TWIN (OFF GRID)
RATED OUPUT POWER	6000W
PV INPUT (DC)	
Max. PV Power	7000W
Max. PV Array Open Circuit Voltage	500 VDC
PV Input Voltage Range	120 VDC~500 VDC
MPPT Range @ Operating Voltage	120 VDC~430 VDC
Max. PV Array Short Circuit Current	27A
Number of MPP Tracker	1
GRID INPUT	
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing) < 10ms (For UPS)
Transfer Time	< 20ms (For Home Appliances) < 50ms (For parallel operation)
Rating of AC Transfer Relay	40A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure Sine Wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Charging Current (from Grid)	120A
Maximum Charging Current (from PV)	120A
Maximum Charging Current	120A
GENERAL	
Dimension, D X W X H (mm)	140 x 295 x 468
Net Weight (kgs)	12
INTERFACE	
Parallel-able	Yes
External Safety Box (Optional)	Yes
Communication	RS232/Dry-Contact/WiFi
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	-10°C to 55°C