



- Sinewave high efficiency inverter charger
- Output power factor 1
- Maximum PV input power 6000W
- The load could be powered from Solar power and AC grid even the battery is not available
- Built-in advanced DSP-controlled MPPT solar charge controller
- Battery independent design
- Battery equalization function to optimize battery performance and extend lifecycle
- Parallel operation with up to 9 units

Axpert MKS II Plus Specification

MODEL	Axpert MKS II Plus
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	50 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)	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	450 VDC
Maximum Solar Charge Current	100A
Maximum AC Charge Current	100A
Maximum Charge Current	100A
PHYSICAL	
Dimension, D X W X H (mm)	120 x 295 x 468
Net Weight (kgs)	11,0
Communication Interface	USB and RS232
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