

- Pure sine wave solar inverter
- Detachable LCD control module with multiple communications
- Wide DC input range
- Built WIFI 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



## Gennex Axpert MKS III Specification

<b>MODEL</b>	<b>Axpert MKS III 5000-48</b>
<b>Rated Power</b>	5000VA/5000W
<b>INPUT</b>	
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)
<b>OUTPUT</b>	
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
<b>BATTERY</b>	
Battery Voltage	48 VDC
Floating Charge Voltage	54 VDC
Overcharge Protection	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>	
Solar Charger type	MPPT
Maximum PV Array Power	4500W
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
<b>PHYSICAL</b>	
Dimension, D X W X H (mm)	140 x 295 x468
Net Weight (kgs)	12Kg
Communication Interface	USB, RS232, RS485, Bluetooth
<b>OPERATING ENVIRONMENT</b>	
Humidity	5% to 95% Relative Humidity(Non-condensing)
Operating Temperature	-10 $^{\circ}$ C to 50 $^{\circ}$ C
Storage Temperature	-15 $^{\circ}$ C to 60 $^{\circ}$ C