SOL-I-AX-8M SOLAR INVERTER / CHARGER

This is a multi-function inverter, combining functions of inverter, solar charger and battery charger to offer uninterruptible power support in a single package. The comprehensive LCD display offers user-configurable and easy-accessible button operations such as battery charging current, AC or solar charging priority, and acceptable input voltage based on different applications.

- Customizable status LED bar with RGB lights
- Built-in wifi for mobile monitoring /Android/iOS Apps are available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high-power charging current
- Selectable input voltage range for homme appliances and personal computers
- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Optional DC output for DC fan, LED bulb, router and so-on
- Parallel operation up to 6 units. (It requires mains being present)

RGB light:
Different color to present output source from PV, Grid or battery and battery charge/discharge status

Communication for Remote panel

Parallel connectors:
Maximum 6 units in parallel

Diverse communications:
USB On-the-Go function, Dry contact and BMS communication

Anti-dust filter:
Increase product reliability in harsh environment

DC output connectors:
Connect to DC fan, LED bulb or router

Specifications

Model	Axpert Max 8000
RATED POWER	**8000VA/ 8000W**
Parallel Capability	Yes, 6 units
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 ± 5%
Surge Power	16000VA
Efficiency (Peak)	90% - 93%
Transfer Time	15 ms (For Personal Computers); 20 ms (For Home Appliances).
Waveform	Pure sine wave
No Load Power Consumption	< 70 W
DC Voltage (Optional)	12 VDC ± 5%, 100W
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	8000W (4000W x 2)
MPPT Range @ Operating Voltage	90VDC ~ 450VDC
Maximum PV Array Open Circuit Voltage	500VDC
Maximum Solar Charge Current	120A
Maximum AC Charge Current	120 A
Maximum Charge Current	120 A
PHYSICAL	
Dimension, D x W x H (mm)	147.4 x 432.5 x 553.6
Net Weight (kgs)	18.4
Communication Interface	USB/ RS232/ RS485/ WiFi/ Dry-Contact
OPERATING ENVIRONMENT	
Humidity	5% to 95% Relative Humidity (Non-condensing)
Operating Temperature	-10°C - 50°C
Storage Temperature	-15°C - 60°C
STANDARD	
Compliance Safety	CE