

IP54 Solar Inverters

220V / 230Vac Output



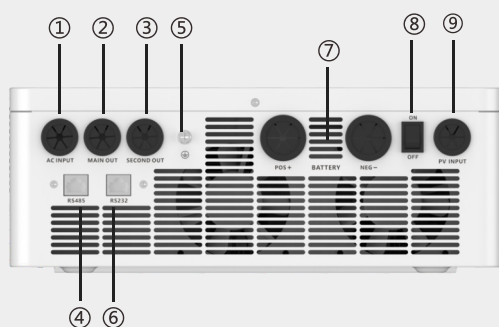
Fxn-aura-4200

- IP54 design
- Dual output for smart load management
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- PV Input 500Vdc Max
- Built-in MPPT 120A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Support multiple output priority: UTL, SOL, SBU, SUB
- EQ function to optimize battery performance and extend lifecycle

KEY FEATURES

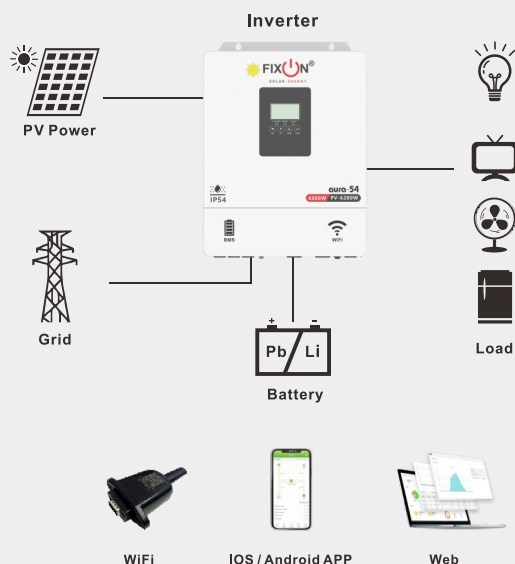


Bottom view



1. AC input
2. Main output
3. Second output
4. RS485 communication port
5. RS232 communication port
6. Grounding
7. Battery input
8. Power on / off switch
9. PV input

System Diagram



Technical Data

MODEL		Fxn-aura-4200
Capacity		4200VA/4200W
Parallel Capability		NO
Lithium Battery Activation		YES(By PV or Utility)
Battery Wake-up Function		YES
AC INPUT		
Nominal Voltage		230VAC
Acceptable Voltage Range		170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency		50/60 Hz (Auto sensing)
AC OUTPUT		
Nominal Voltage		220/230VAC±5%
Surge Power		8200VA
Frequency		50/60 Hz
Waveform		Pure Sinewave
Transfer Time		10ms(For personal Computer);20ms(For Home Appliances)
Peak Efficiency (PV to INV)		96%
Peak Efficiency (Battery to INV)		93%
Overload Protection		5s@ > =140% load; 10s@100%~140% load
Crest Factor		3:1
Admissible Power Factor		0.6~1 (inductive or capacitive)
BATTERY		
Battery Voltage		24Vdc
Floating Charge Voltage		27Vdc
OverCharge Protection		32Vdc
Charging Method		CC/CV
Solar Charger & AC Charger		
Solar Charger TYPE		MPPT
Max.PV Array Power		6200W
Max. PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		60VDC~500VDC
Max. Solar Input Current		27A
Max. Solar Charge Current		120A
Max. AC Charge Current		120A
Max. Charge Current(AC+PV)		120A
PHYSICAL		
Dimensions, D x W x H(mm)		441x334x125.5
Package Dimensions, D x W x H(mm)		545x405x210
Net Weight (Kgs)		8.5
Gross weight(Kgs)		9.5
Communication Interface		RS232+RS485
ENVIRONMENT		
Operating Temperature Range		-10°C ~ 55°C
Storage Temperature		-15°C ~ 60°C
Humidity		5% to 95% Relative Humidity (Non-condensing)
Enclosure Protection		IP54