

IP54 Solar Inverters

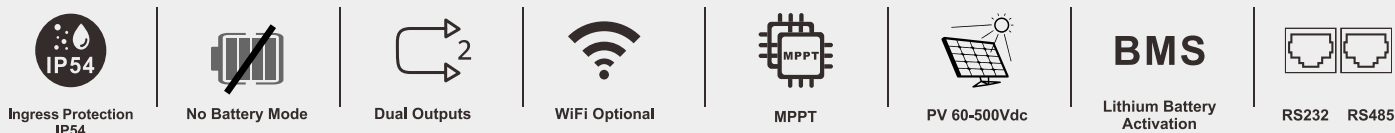
220V / 230Vac Output



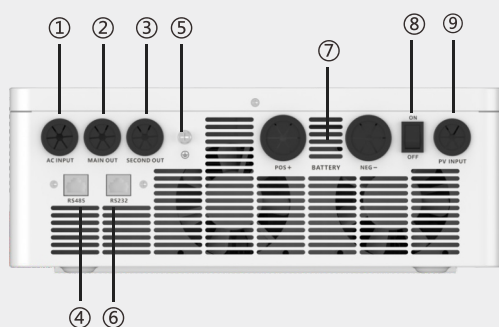
Fxn-aura-6200

- 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

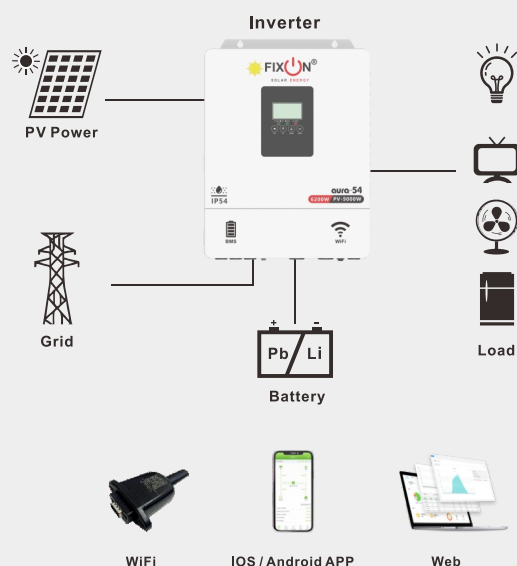


Bottom view



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-6200
Capacity	6200VA/6200W
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	12400VA
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	48Vdc
Floating Charge Voltage	54Vdc
OverCharge Protection	63Vdc
Charging Method	CC/CV
Solar Charger & AC Charger	
Solar Charger TYPE	MPPT
Max.PV Array Power	9000W
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)	9
Gross weight(Kgs)	10
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