

IP54 Solar Inverters

220V / 230Vac Output



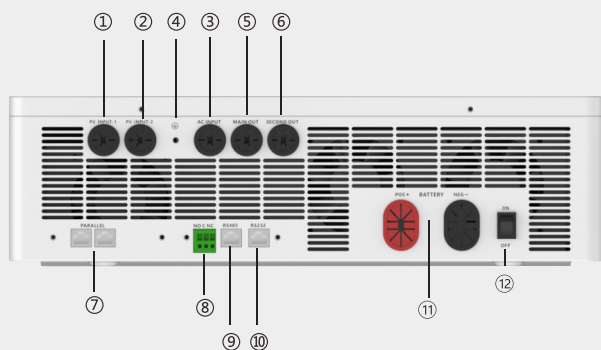
Fxn-aura-11000

- IP54 design
- Dual AC output
- Built-in 2 MPPT
- Parallel max up to 6 units
- Lithium battery activation function by PV or Utility
- Compatible work with LiFePO4 battery via RS485
- Pure Sine Wave
- Power factor 1.0
- PV Input 500Vdc Max
- Built-in MPPT 160A
- Capable to work without battery
- Detachable dust cover for harsh environment
- WIFI remote monitoring optional
- Support multiple output priority: SUB,SBU
- EQ function to optimize battery performance and extend lifecycle

KEY FEATURES

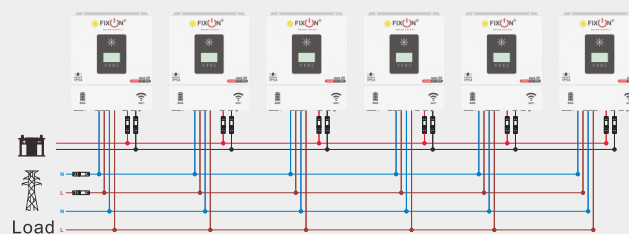


Bottom view



- | | |
|---------------------|------------------------------|
| 1. Solar input - 1 | 7. Parallel |
| 2. Solar input - 2 | 8. Dry contact |
| 3. AC input | 9. RS485 communication port |
| 4. Grounding | 10. RS232 communication port |
| 5. AC Main output | 11. Battery input |
| 6. AC Second output | 12. Power on / off switch |

Parallel 6 Units Max



Technical Data

MODEL	Fxn-aura-11000
Capacity	11000VA/11000W
Parallel Capability	YES, 6units
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	22000VA
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	18000W(9000W*2)
Max. PV Array Open Circuit Voltage	500VDC
PV Array MPPT Voltage Range	60VDC~500VDC
Max. Solar Input Current	27A*2 (40A Max)
Max. Solar Charge Current	160A
Max. AC Charge Current	120A
Max. Charge Current(AC+PV)	160A
PHYSICAL	
Dimensions, D x W x H(mm)	567.8x470x134.5
Package Dimensions, D x W x H(mm)	675x555x220
Net Weight (Kgs)	18
Gross weight(Kgs)	19
Communication Interface	RS232+RS485+Dry contact
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