

IP21 Solar Inverters

220V / 230Vac Output



Fxn-aura-2000W

- Lithium battery activation function, which can be triggered by PV
- Pure Sine Wave
- PV Input 500Vdc Max
- Built-in MPPT 60A-100A
- 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

BMS
Lithium Battery
Activation

Output
Multiple Priority

PV 30-500Vdc

WIFI optional

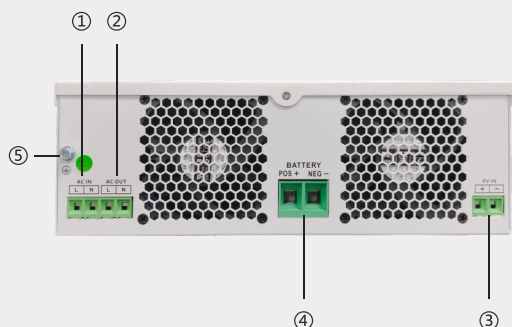
MPPT

Anti-shock
design terminal

Pure sine wave

High Efficiency

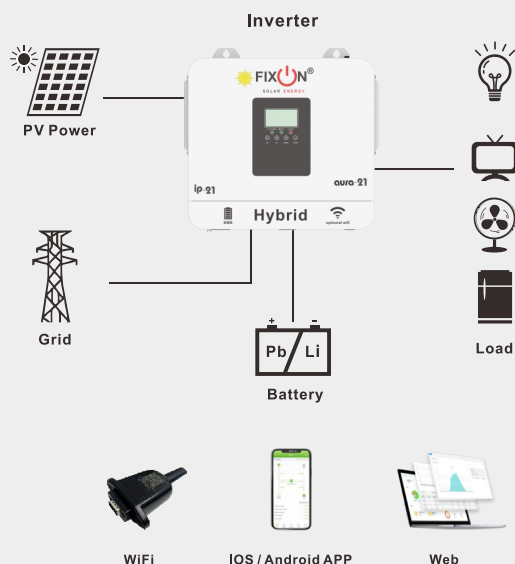
Bottom view



1. AC input
2. AC output
3. PV input

4. Battery input
5. Grounding

System Diagram



Technical Data

MODEL		Fxn-aura- 2000W
Capacity		2000VA/2000W
Parallel Capability		NO
Lithium Battery Activation		YES(By PV)
Lithium battery Communication		NO
INPUT		
Nominal Voltage		230VAC
Acceptable Voltage Range		170-280VAC(For personal Computer);90-280VAC(For Home Appliances)
Frequency		50/60 Hz (Auto sensing)
OUTPUT		
Nominal Voltage		220/230VAC±5%
Rated Power		1500VA/1500W
Battery Mode Power		1500VA/1500W
Surge Power		3000VA
Frequency		50/60 Hz
Waveform		Pure Sine wave
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		12Vdc
Floating Charge Voltage		13.5Vdc
OverCharge Protection		16.5Vdc
Charging Method		CC/CV
SOLAR CHARGER & AC CHARGER		
Solar Charger TYPE		MPPT
Max.PV Array Power		3000W
Max. PV Array Open Circuit Voltage		500VDC
PV Array MPPT Voltage Range		30VDC~500VDC
Max. Solar Input Current		15A
Max. Solar Charge Current		100A
Max. AC Charge Current		60A
Max. Charge Current(AC+PV)		100A
PHYSICAL		
Dimensions, D x W x H(mm)		334x293x98.5
Package Dimensions, D x W x H(mm)		402x368x174
Net Weight (Kgs)		4.0
Gross weight(Kgs)		4.9
Communication Interface		RJ45 For WiFi
ENVIRONMENT		
Operating Temperature Range		-10°C to 55°C
Storage temperature		-15°C~ 60°C
Humidity		5% to 95% Relative Humidity (Non-condensing)
Ingress Protection		IP21