FIXON®
SOLAR ENERGY

aura-21

SMARTER ENERGY

2 In 1 OFFGRID INVERTER

4.2KW

2 IN 1 OFF GRID INVERTER

Features

- Work at 2 different voltages : 12VDC or 24VDC. It can meet different loads needs of users
- Rated power is 2300W when work at 12VDC,ratedpower is 4200W when work at 24VDC
- Dual use on one inverter--World's first creation in 2025
- Pure sine wave output inverter
- According to the requirements of load (household appliances/personal computers), the input voltage range of utility grid can be selected
- According to the battery requirements, the charging current can be set through LCD
- Solar energy and utility grid can power loads at the same time
- AC input is compatible with mains and generator
- Automatic restart function when mains power is restored
- Overload/Over temperature/ short circuit protection
- The intelligent charging design of battery makes the battery more fully utilized
- RS485 port Used for communication with BMS
- Cold start function
- Built-in MPPT operating voltage range 55V~500V, open circuit voltage 500Voc
- WIFI remote monitoring Bluetooth near end sampling(optional)
- Built-in anti-dust kit for harsh environment
- RGB lights (optional)

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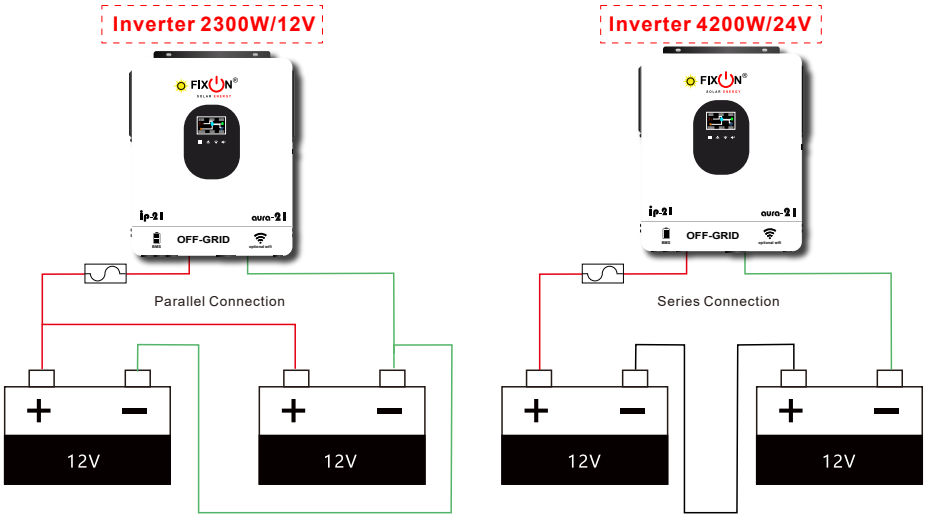
This diagram is telling what “dual use on one inverter"is

AURA 21 is working at 2 voltages and carrying different loads



Product Data Sheet

MODEL	AURA 21	
Battery Voltage	12V	24V
Rated output power	2300VA/2300W	4200VA/4200W
INPUT		
Voltage	230VAC	
Selectable Voltage Range	170~280VAC(For Personal Computers)	
	90~280VAC(For Home Appliances)	
Frequency Range	50 Hz/60Hz(Auto Sensing)	
OUT PUT		
AC Voltage Regulation(Batt.Mode)	230VAC±5%	
Surge Power	4600W	8400W
Efficiency (peak)Battery to INV	94%	
Transfer Time	10ms(For Personal Computers); 20ms(For Home Appliances)	
BATTERY&AC CHARGE		
Battery Voltage	12V	24V
Floating Charge Voltage	13.5V	27V
Overcharge Protection	16VDC	32VDC
Maximum Charge Current	100A	
SOLAR CHARGE		
Maximum PV Array Power	5800W	
MPPT Range @ Operating Voltage	55~500VDC	
Maximum PV Array Open Circuit Voltage	500VDC	
Maximum Charge Current	100A	
PHYSICAL		
Dimension. H*W*D(mm)	405*305*108	
Net Weight(kgs)	6.7	
Communication interface	RS485/RS232 BMS/WIFI Bluetooth	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non~condensing)	
Operating Temperature	-20℃ ~ 55℃	
Storage Temperature	-20℃ ~ 60℃	

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