OFF GRID SOLAR INVERTER **AN-FGI-DU-4200**



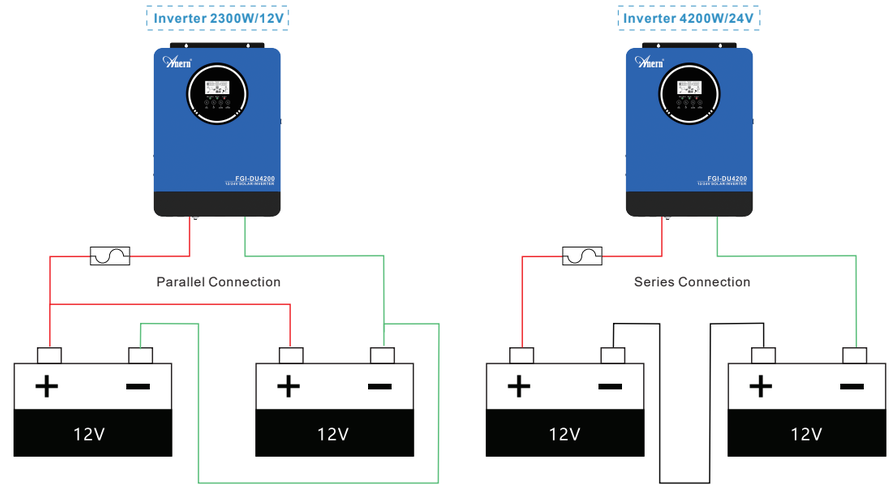
Features

- 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

https://www.anern.com/

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

AN-FGI-DU4200 is working at 2 voltages and carrying different loads



Freely match 12VDC or 24VDC according to user needs(The maximum load is 2300W for 12V battery can carry, and the maximum load is 4200W for 24V battery can carry)

Product Data Sheet

MODEL	AN-FGI-DU-4200	
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	4000W	
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˚C ~ 55˚C	
Storage Temperature	-20˚C ~ 60˚C	

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