

iXCEED Series Solar Inverter

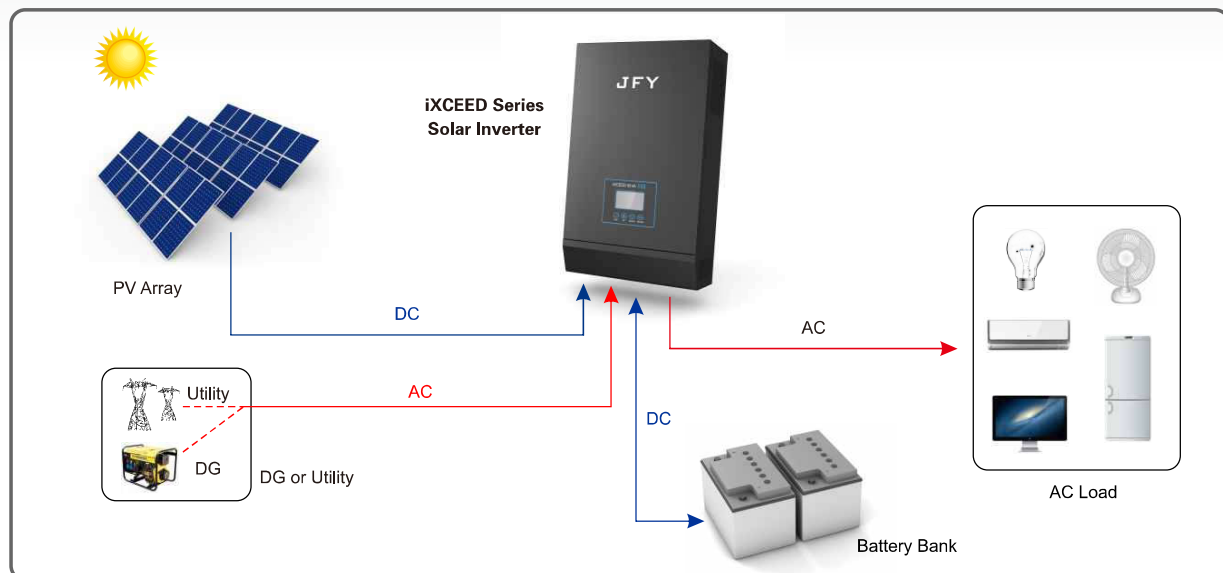


Features

- Built-in MPPT solar charge controller
- Pure sine wave inverter
- Solar charge current up to 50A
- Wide range of input voltage, compatible to mains or generator power
- High-frequency isolated transformer, small in size, running safe and stable
- Compatible to mains voltage or generator power
- Overload, short circuit and other comprehensive protection
- Smart battery management
- Wall mounted design, stylish appearance, simple install and easy operate
- auto restart while AC is recovering
- High power density design offer high efficiency output
- LCD display + LED display

Description

JFY iXCEED series high frequency off-grid inverter is a high tech multifunctional inverter which integrates three functional modules: MPPT solar controller, AC charger and inverter. It has a small size, simple operation, easy maintenance, etc., which is a very cost-effective and comprehensive off-grid solar inverter and widely used in remote areas where is without effective regional power supply, or the power supply is not stable, such as agriculture, animal husbandry, urban residents electricity, to solve the problem of their production and living electric power using.



Technical Data

Model (iXCEED)	1KVA	2KVA	3KVA	4KVA	5KVA
Rated Power (VA/W)	1000/800	2000/1600	3000/2400	4000/3200	5000/4000
Battery Voltage (V)	24	48			

MPPT Solar Controller

Charger Type	PWM	MPPT
Rated Power (W)	1000	3000
MPPT Voltage Range (Vdc)	30~55	70~165
Recommended Input Voltage (Vdc)	37	120
Maximum Solar Charge Current (A)	30	50
Floating Charge Voltage (Vdc)	27	54
Equalizing Charge Voltage (Vdc)	27.8	55.6

AC Input

Rated Voltage (V)	220/230/240±3%	
Input Voltage Range (V)	165~275	
Input Frequency Range (Hz)	50/60±3%	
Maximum Charge Current (A)	20	30

Inverter

Output Voltage (Vdc)	220/230/240±3%	
Frequency (Hz)	50/60±3%	
Maximum Efficiency	90%	92%
Over Load Capacity	105~120%, 30s; 120~150%, 10s; >150%, 5s	
Current Crest Factor	3:1	
Transfer Time (ms)	<10	
Output Wave	Pure sine wave	

General parameters

Display	LCD+LED			
Display Content	PV status, battery capacity, AC input voltage, AC output voltage, Load, running status			
Complete Protections	DC&AC overload, Under-voltage, SPD, Short-circuit, Overcharge, Over discharge, Over-temperature, etc			
Cooling	High-velocity fan cooling			
Communication	RS232			
Noise emission	<60dB (A) @ 1m			
Operating Temperature range (°C)	-20~+50 (>50°C derating)			
Storage Temperature range (°C)	-15°C~70°C			
Relative humidity in operation	0~90% (non condensing)			
Max. operating altitude (m)	<5000 (>1000m derating)			
Dimension (W*D*H mm)	335*90*235	470*100*285	530*120*295	
Weight	4.5	9	9	10.5
				11

Data may change without any notice.