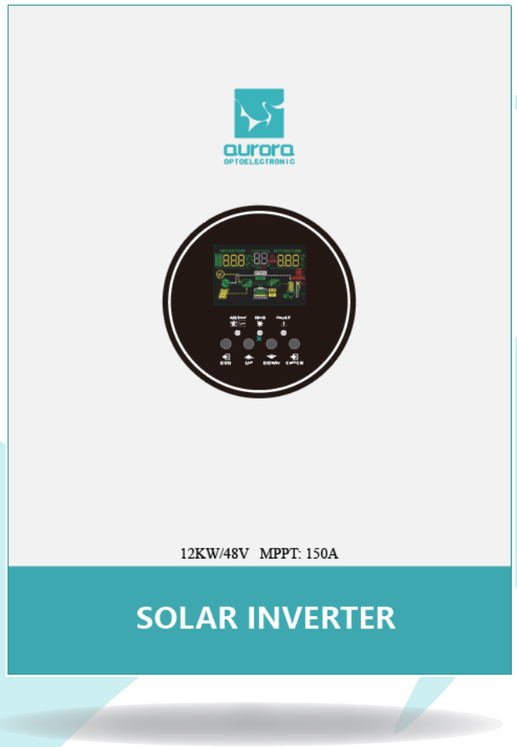
High Frequency Inverter
YF-FS-HP 12048-D

aurora
OPTOELECTRONIC



Features

- PF1.0, high efficiency, low consumption, energy saving/ environmental protection/power saving/cost saving
- BMS Function For Lithium Battery
- External WIFI, Supervise At Any Time
- Allow photovoltaic power generation to be connected to the grid and save electricity bills
- No EMC Filtering, Cost-effective Solution Design
- Lithium Battery Auto-restart Function

Datasheet

Model	YF-FS-HP 12048-D
Rated Input Voltage	220/230/240VAC
Voltage Range	90-280VAC±3V(Normal mode) 170-280VAC±3V(UPS mode)
Frequency Range	50Hz/60Hz(Adaptive)
Output	
Battery Inverter	11000W
PV Inverter	12000W
Peak Power	24000VA
Output Voltage	230VAC±5%
Output Frequency	50/60Hz±0.1%
Waveform	Pure Sine Wave
Switching Time (Adjustable)	Computer equipment 10ms, home appliances 20ms
Overload Capacity	Battery Mode: 11s@105%~150% Load; 2s@150%~200% Load; 400ms@>200% Load
Grid-connected Operation	
Output Voltage	220/230/240VAC
Grid Feeding Voltage Range	100-280VAC
Grid Feeding Frequency Range	47-53±1Hz/57-62±1Hz
Rated Output Current	52.2A
Power Factor Range	>0.99
Max. Conversion Efficiency(DC/AC)	98%
Battery	
Rated Voltage	48VDC
Constant Charging Voltage (Adjustable)	56.4VDC
Float Charging Voltage (Adjustable)	54VDC
PV Charger	
PV Charging Method	Dual MPPT
Max. PV Input Power	2*8500W
MPPT Input Voltage Range	90~500VDC
Max. PV Input Voltage	500VDC
Max. PV Input Current	27A/27A
Max. PV Charging Current	150A
Max. Mains Charging Current	150A
Max. Charging Current	150A
Display	
LCD Interface	Can display operation mode/load/input/output, etc.
Interface	
RS232	Baud rate 2400
Expansion Slot Communication Interface	Lithium battery BMS communication card, WIFI card, dry contact card, etc.
Parallel Interface	No parallel function
Ambient Parameters	
Operating Ambient Temperature	-10°C~+50°C
Operating Environment Humidity	20%~95%(No condensation)
Storage Temperature	-15°C~+60°C
Noise	<45dB
Physical Parameters	
Product Dimension(mm)	585*360*164
Standards And Certifications	EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1

***Test conditions: 0.5C charge/discharge, @25°C, 80% DOD; product specifications are subject to change without prior notice.**

www.yufai-aurora.com / www.aurorabattery.com