High Frequency Inverter
YF-FS-HP 12048-P

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-P
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	Max 9units in parallel
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.**