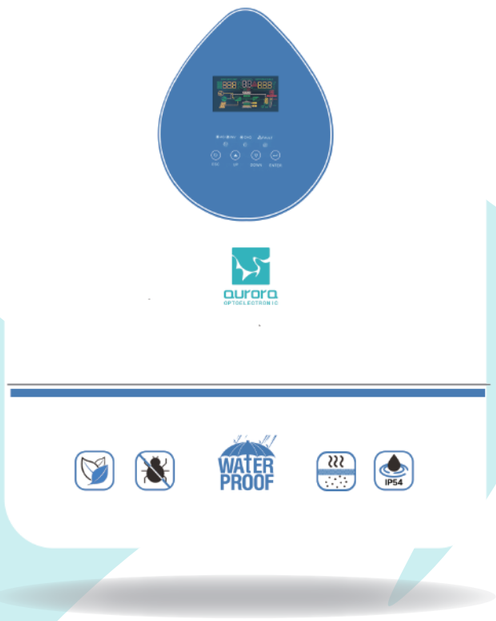
High Frequency Inverter
YF-FS-HP SP Series

aurora OPTOELECTRONIC

IP54 WATERPROOF



Features

- Pure Sine Wave Output
- Displays 6 Core Parameters Real Time In LCD
- Support Wi-Fi Function To Check Power Generation And Grid Feeding Status
- Support CT Anti-backflow Function. Self-use
- MAX. Support 11 Units In Parallel
- Off-grid And On-grid Dual Mode Functionality

Datasheet

Model	YF-FS-HP 4024SP	YF-FS-HP 6248SP	YF-FS-HP 11048SP
Input			
Input Formation	L+N+PE		
Rated Input Voltage	220/230/240VAC		
Input Voltage Range	90-280VAC±3V(Normal Mode)/170-280VAC±3V(UPS Mode)		
Frequency Range	50/60Hz±5%		
Output			
Rated Power(Battery Inverter)	4000W	6200W	11000W
Rated Power(PV Inverter)	4500W	6500W	15000W
Output Voltage	220/230/240VAC		
Output Frequency	50/60Hz±0.1%		
Output Wave	Pure Sine Wave		
Transfer Time	Computer equipment 10ms, household appliances 20ms		
Peak Power	8000VA	12400VA	22000VA
Overload Ability	Battery Mode: 11s@105%-150% Load	2s@150%-200% Load	400ms@105%-150% Load
Grid-connected Operation			
Output Voltage	220/230/240VAC		
Grid Voltage Range	170-265VAC		
Grid Frequency Range	49-51±1Hz/59-61±1Hz		
Output Current	17.4A	26.9A	47.8A
Power Factor Range	>0.99		
Conversion Efficiency(DC/AC)	98%		
Battery			
Rated Voltage	24VDC	48VDC	48VDC
Constant Charging Voltage(Adjustable)	28.2VDC	56.4VDC	56.4VDC
Float Charging Voltage(Adjustable)	27VDC	54VDC	54VDC
Charger			
PV Charging Method	MPPT	MPPT	Dual MPPT
Max. PV Input Power	6500W	8500W	2*7500W
MPPT Tracking Range	60-500VDC	60-500VDC	90-500VDC
Optimal VMP Working Range	300-400VDC	300-400VDC	360-430VDC
Max. PV Input Voltage	500VDC	500VDC	500VDC
Max. PV Input Current	27A	27A	27A/27A
Max. PV Charging Current	120A	120A	150A
Max. AC Charging Current	100A	100A	150A
Max. Charging Current	120A	120A	150A
Display			
LCD Interface	Can display operating mode/load/input/output		
Interface			
RS232	Baud Rate 2400		
Expansion Slot Communication Interface	Lithium Battery BMS Communication Card, WiFI /Pitch2.54mm		
Parallel interface	Not Support Parallel	Support Parallel	
Ambient Parameters			
Operating Temperature	-10°C~50°C		
Operating Environment Humidity	-15°C~60°C		
Storage Temperature	20%~90%(No condensation)		
Noise	≤50dB		

***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