High Frequency Inverter
YF-FS-HP 4024

aurora
OPTOELECTRONIC



Features

- Pure Sine Wave Output
- BMS Function For Lithium Battery
- External WIFI, Supervise At Any Time
- Intelligent Power Supply Mode
- MAX. Support 9 Units In Parallel
- Support Working Without Battery In Stand-alone Mode

Datasheet

Model	YF-FS-HP 4024
Input	
Input Formation	L+N+PE
AC Input	220/230/240VAC
Input Voltage Range	90-280VAC±3V(Normal Mode)/170-280VAC±3V(UPS Mode)
Frequency	50/60Hz±5%
Output	
Rated Power	4000W
Output Voltage	220/230/240VAC
Output Frequency	50/60Hz±0.1%
Output Wave	Pure Sine Wave
Transfer Time	≤10ms(UPS Mode)/≤20ms(INV Mode)
Peak Power	8000VA
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
Power Factor Range	>0.99
Conversion Efficiency(DC/AC)	98%
Battery	
Rated Voltage	24VDC
Constant Charging Voltage(Adjustable)	28.2VDC
Float Charging Voltage(Adjustable)	27VDC
Charger	
PV Charging Method	MPPT
Max. PV Input Power	6500W
MPPT Tracking Range	60-500VDC
Optimal VMP Working Range	300-400VDC
Max. PV Input Voltage	500VDC
Max. PV Input Current	27A
Max. PV Charging Current	120A
Max. AC Charging Current	100A
Max. Charging Current	120A
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
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