Transformer-based Inverter
YF-FS-WP/WM Series

aurora
OPTOELECTRONIC



Features

- Pure Sine Wave Output
- Selectable Charging Current Based On Applications
- Can Support WIFI/GPRS
- DC Start & Automatic Self-diagnostic Function
- High Efficiency Design For Optimized Battery Performance
- Automatically Send Signal To Start Generator

Datasheet

Model	YF-FS-WP 1512	YF-FS-WM 3024	YF-FS-WM 6348
AC Input Voltage	220VAC(Standard)		
Input Voltage Range	154-264VAC±3V(Nor Model)185-264VAC±3V(UPS Model)		
Input Frequency	50/60Hz±5%		
Rated Output Power	1200W	2400W	5000W
AC Model Output Voltage	The output voltage under the mains is the same as the input voltage		
AC Model Output Frequency	The output frequency under the mains is the same as the input voltage		
Battery Model Output Voltage	220VAC±10%		
Battery Model Output Frequency	50Hz or 60Hz±1%		
Battery Model Output Wave	Pure Sine Wave		
Battery Type	External lead-acid battery, Gel battery, water battery or Lithium battery		
Battery Voltage	12VDC	24VDC	48VDC
Battery Charging Voltage	13.7VDC	27.4VDC	54.8VDC
Max. PV Array Power	800W	1600W	6400W
Solar Input Voltage Range	PWM 15V-50VDC	MPPT 30V-150VDC	MPPT 60V-150VDC
Max. PV Display Open Circuit Voltage	PWM 50VDC	MPPT 150VDC	MPPT 150VDC
Max. Solar Charging Current	60A	60A	120A
Max. AC Charging Current	40A	50A	52A
Transfer Time	≤10ms(UPS Model)/≤20ms(INV Model)		
Load Peak Ratio	(MAX)3:1		
Protective Function	Under the mains: Input overcurrent fuse Under inverter: Overload protection, short circuit protection, low voltage protection, (with battery anti-reverse connection, board).		
Status Display	You can view parameters such as AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys.		
Voice Prompt	Low battery protection buzzer long beep. Low battery buzzer beeps every second. Machine fault buzzer beeps. Overload buzzer beeps. When the overload is less than 130%, the buzzer will sound every second, and the output will be turned off after 30s. When the overload is greater than 150%, the output will be turned off after 300ms.		
Operating Tempertature	-10°C~50°C		
Storage Tempertature	-15°C~45°C		
Relative Tempertature	-10°C~90°C(No condensation)		
Noise	<45dB		
Net/Gross Weight(KG)	8.46/9.15	15.96/16.95	27.61/31.06
Product Size(mm)	430*333*173	527*330*149	545*400*200

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

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