Transformer-based Inverter
YF-FS-WM Series

aurora
OPTOELECTRONIC



Features

- Pure Sine Wave Output
- Max. 6 In Parallel
- 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-WM 6348P
Input Voltage	230VAC
Input Voltage Range	90-275VAC±3V(APL Mode), 170-275VAC±3V(UPS Mode)
Input Frequency	50/60Hz±5%
Rated Output Power	5000W
Grid Mode Output Voltage	The output voltage under the mains is the same as the input voltage
Grid Mode Output Frequency	The output frequency under the mains is the same as the input voltage
Inverter Mode Output Voltage	230VAC±10%
Inverter Mode Output Frequency	50Hz or 60Hz±1%
Inverter Mode Output Wave	Pure Sine Wave
Battery Type	External lead-acid battery, water battery or Lithium battery
Battery Voltage	48VDC
Constant Charging Voltage(Adjustable)	56.4VDC(Adjustable Range: 48V-61V)
Float Charging Voltage(Adjustable)	54VDC(Adjustable Range: 48V-61V)
Max. Photovoltaic Array Power	3200W
PV Input Voltage Range(MPPT)	60-150VDC
Max. Photovoltaic Array Open Circuit Voltage	150VDC
Best VMP Working Range	60-105VDC
Max. Solar Charging Current	60A
Max. AC Charging Current	50A(Default 40A)
Transfer Time	≤20ms(APL Mode)/ ≤10ms(UPS Mode)
load Peak Ratio	(MAX)3:1
Standby Power Consumption(W)	Toroidal Power Transformer(Glue filling) 32W
Parallel Interface	MAX. 6 Units In Parallel
Protect Function	Grid Mode: Input overcurrent fuseless switch protection Inverter Mode: Overload protection, short circuit protection, low voltage protection, battery reverse connection protection (fuse)
Status Display	Color segment screen code plus LED display You can view AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current and other parameters by turning the page keys. LED displays mains power, charging status, inverter status, and fault status
Sound Prompt	The buzzer has different alarm sounds according to different fault codes, which are distinguished by long and short sounds.
Interface Function	RS232, lithium battery BMS communication, parallel interface, dry contact card
Working Temperature	-10°C~50°C
Storage Temperature	-15°C~45°C
Relative Humidity	20%~95%(No condensation)
Noise	<45dB
Product Dimension(L*W*H)mm	527*330*149mm
Package Dimension(L*W*H)mm	635*405*217mm

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

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