



PURE SINE WAVE INVERTER INSTRUCTION

FEATURE

- Efficiency is more than 90%.
- Low leakage current, less than 90 microamperes
- Intelligent speed-regulating fan: The fan with output power greater than 40% or temperature in the machine over 50°C rotates fast, otherwise it rotates slowly.
- Multiple protection: Input undervoltage protection/Input overvoltage protection/Overload protection/Overheat protection/Short circuit protection
- Applications: Vehicles and yachts; Home appliances, office and portable equipment, etc.

FPC-1000AL

FPC-1000BL

FPC-2000AL

FPC-2000BL

PRODUCT PARAMETERS

Model		FPC-1000AL	FPC-1000BL	FPC-2000AL	FPC-2000BL
DC Input	Rated Battery Voltage	12VDC	24VDC	12VDC	24VDC
	Rated current	100A	50A	200A	100A
	No-load current	≤ 1000mA	≤ 500mA	≤ 1300mA	≤ 700mA
	Efficiency	≥ 90%	≥ 90%	≥ 88%	≥ 88%
	Battery Type	Lead-acid Battery	Lead-acid Battery	Lead-acid Battery	Lead-acid Battery
AC Output	Rated power	1000W	1000W	2000W	2000W
	AC Voltage	220VAC	220VAC	220VAC	220VAC
	Frequency	50Hz	50Hz	50Hz	50Hz
	Waveform	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave	Pure Sine Wave
Input protection	Low Voltage Alarm	10-10.5V	20-21V	10-10.5V	20-21V
	Battery under-voltage shutdown	9.5-10V	19-20V	9.5-10V	19-20V
	Battery Low Voltage Recovery	11.5-12V	23-24V	11.5-12V	23-24V
	Battery Overvoltage Protection	15-15.5V	30-31V	15-15.5V	30-31V
	Battery Overvoltage Recovery	14-14.5V	28-29V	14-14.5V	28-29V
	Reverse connection protection	NO	NO	NO	NO
Output protection	Output Short	Turn off output and resume after restart			
	Overload protection	Turn off output and resume after restart			
	Overtemperature	Turn off the output when the internal temperature is higher than 85 °C, and automatically resume the output when it is lower than 70 °C			
Environment	Working environment temperature	-40~70°C			
	Working humidity	20%~95%RH			
	Storage temperature /humidity	-40~85°C , 10~90%RH			
Other	sizes	260*155*85mm		365*177*83mm	

INSTALLATION NOTES:

1. Before installation, please confirm the rated battery voltage. This product is suitable for 12V or 24V lead-acid batteries.
2. Attention should be paid to the positive and negative polarity when the battery is connected to the input terminal.
3. Please choose the location which is conducive to heat dissipation and avoid contact with water as far as possible.
4. When the inverter works continuously, the temperature of the main aluminum shell is higher, which is a normal phenomenon.

USAGE METHOD:

1. Correctly connect the input terminal to the battery terminal.
2. Open the switch on the panel, start the inverter, and plug the electrical appliances into the AC socket of the inverter.

TROUBLESHOOTING:

When the inverter works normally, the indicator is blue; when there is a fault, the red indicator flashes, and the number of flashes represents the type of fault.

Once, the input voltage is too low; twice, the input voltage is too high; three times, the overheat protection; four times ,the overload or short circuit protection



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