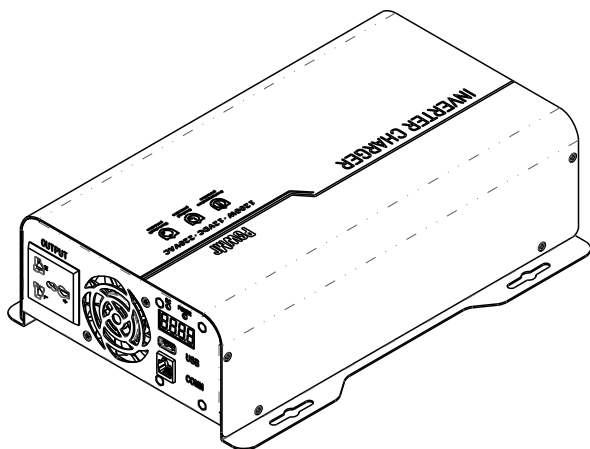


POW-LV1.2K-12V

POW-HV1.2K-12V



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INVERTER CHARGER

User Manual

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Safety Instruction

1. Please confirm the rated battery voltage before installation.
2. Please confirm the positive and negative poles of the battery. and the machine (red for positive pole, black for negative pole).
3. Please install the machine in a well ventilated place to avoid water inflow.
4. After the inverter works continuously, the temperature of the case is high, which is a normal phenomenon.

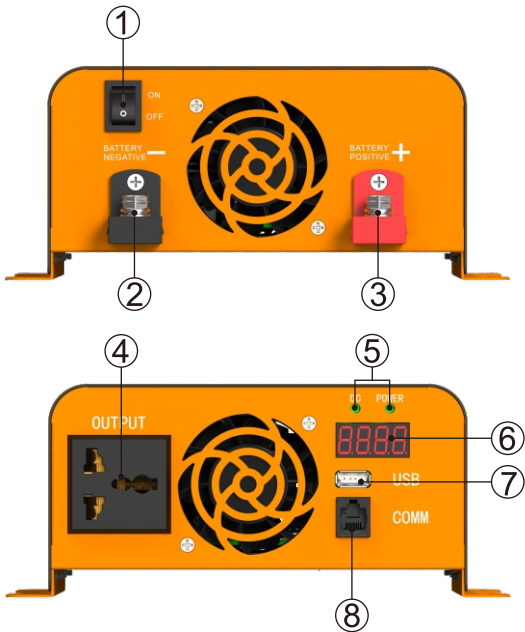
Usage

1. Connect the input end of the machine to the battery correctly.
2. Correctly connect the electrical equipment to the output socket, please confirm whether the power of the machine matches the power of the electrical equipment before use.

Product Features

1. Pure sine wave.
2. Maximum efficiency 90%.
3. Intelligent fan speed regulation: start to work when the load is greater than 600W, and the fan speed will be controlled according to the load and the internal temperature.
4. Protection function: low voltage protection, charged over protection, overload protection, short circuit protection, over temperature protection.
5. Application: home, office, vehicle, yacht and other occasions.

Panel Function Introduction



1	ON/OFF	5	LED Indicators
2	Battery Negative	6	LED Display
3	Battery Positive	7	USB
4	Output	8	COMM

LED Display



Indicator Light Description

1.The DC indicator light is on, indicating that the content displayed by the nixie tube is the battery voltage(V);



2.The POWER indicator light is on, indicating that the content displayed on the nixie tube is the output power(W);



3.The DC indicator light is on, indicating that the content displayed by the nixie tube is the battery voltage.



Fault Code

Fault code	Description
1	BUS soft start failed
2	BUS voltage is too high
3	BUS voltage is too low
4	Inverter start failure
5	Inverter high voltage
6	Inverter low voltage
7	Output short circuit
8	Battery overvoltage
9	Battery low voltage
10	Over temperature
11	Overload

Product Parameters

Model		POW-LV1.2K-12V	POW-HV1.2K-12V
Input	Rated Input Voltage	12V	
	Rated Current	112A	
	Maximum Efficiency	90%	
	Battery Type	Lead acid/Lithium battery	
AC Output	Rated Power	1200W	
	AC Voltage	220V/110V	
	Frequency	50Hz/60Hz	
	Wave form	PURE SINE WAVE	
Input Protection	Battery Low Voltage Alarm	10.5V	
	Battery Low Voltage Recovery	11.0V	
	Battery Low Voltage Shutdown	10.0V	
Output Protection	Output Short Circuit Protection	After the fault is eliminated,it can be rebooted	
	Overload Protection	110%≤Load<125%,1 minute shutdown; 125%≤Load<150%,30s shutdown; 150%≤Load,shut down immediately;	
	Overload Temperature Protection	Heat dissipation temperature> 90°C, over temperature protection	
Operating Enviroment	Operating Temperature	0-40°C	
	Humidity	0-80%	
Other	Dimension	305*172*75(mm)	
	Remote Control Switch Interface	Standard configuration	
	USB	5V 2A	



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SHENZHEN HEHEJIN INDUSTRIAL CO.,LTD

Tel/Fax: +86 755-28219903

Email: aftersale@ysolartech.com

Web: www.ysolartech.com

Add: Henggang Street, Longgang District, Shenzhen, Guangdong, China

技术要求：

1. 尺寸：105*148.5mm
2. 材质：80克书写纸黑白印刷.
3. 印刷内容清晰，无毛边