

is higher than rated load of inverter.

Problem: The battery life is too short.

Solutions: Shorten the time cable and choose a thicker wire cable instead.

Possible cause: Electric power is being attenuated when electrically flows through the wire.

Solutions: If AC products power is being attenuated by more than 10% of the following occurs, bypass the cable instead.

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Specifications:

	Rated power
Output	AC 100V~115V/120V (Internal) adjustable ±10%
Output voltage	AC 200V/220V/230V/240V (Internal) adjustable ±10%
Output frequency	50Hz/-5%~50Hz/50Hz optional
Battery voltage	12V 24V 36V 48V
High voltage cut off	100.5~11V 100.5~21V 100.5~29V
Low voltage alarm	100.5~5.5V 100.5~11V 100.5~21V
Input	DC19.5~37V DC3.0~5.9V DC3.1~5.9V DC3.1~27V
Input voltage range	DC10~DC15V DC20V~DC30V DC20V~DC45V DC40V~DC55V
Reverse connect	
Protection input	
Indicator light	Green power indicator, red fault indicator
Reporting	Fan
* The serial number	< 75°C
Working temperature	

Note: Some of the inverter is not designed under-voltage items. Under-voltage protection is \$5±0.3V

Day	Model type	Summary	Reporter	User signature
		Maintenance record		

The user unit	User Date Sheet
The mobile phone Distribution unit	The date of purchase

Product model	Distribution unit
Please verify	Upon verification, offer new parts or maintenance for free and collect the damaged parts. Please contact the nearby dealers for any machine parts were damaged under normal usage condition, we will date of purchase), if any machine parts were damaged under normal usage condition, we will service. The warranty ordinance is listed as follows:

Repairman record	Customer service screws when call for after-service.
Please keep it well, show this card and purchase date of purchases. If there are quality defects in products, our company will provide free warranty products before before the warranty period ends.	We will make the newest product strict to product sizes and data parameters made without prior notice.

After-sale and Warranty	All the inverters listed in this warranty card are ensured of good quality and having passed strict inspection before they go out. One year from the date of purchase, if there are quality defects in inverters, our company will provide free warranty products.
We will make the newest product strict to product sizes and data parameters made without prior notice.	We will make the newest product even if any changes made to product sizes and data parameters made without prior notice.

Warranty	All the inverters listed in this warranty card are ensured of good quality and having passed strict inspection before they go out. One year from the date of purchase, if there are quality defects in inverters, our company will provide free warranty products.
We will make the newest product strict to product sizes and data parameters made without prior notice.	We will make the newest product even if any changes made to product sizes and data parameters made without prior notice.

Power Inverter

DC to AC Power Inverter

User's guide

- Thanks for choosing our power inverter, with light volume and reasonable design, the inverter, leading new trend of high frequency converter, aims at supplying reliable power source for home appliances such as TV, DVD and electric power tool etc. With many modes of protections, the inverters and battery can work efficiently and being protected even when carried with heavy load.
- Please carefully read the manual before installing and using of the inverter.

To prevent bodily injury or property damage, follow these instructions precisely.
1. Keep the inverter dry, it can not be soaked.
2. Cool (The temperature between 0°C~40°C).
3. Ventilation. Allow at least 5cm clearance above and on all sides of the unit for proper cooling and air circulation.

II. Installation & Operation

1. Try turning the inverter ON, and then plug the inverter's cigarette lighter into car's cigarette lighter socket and make sure the contact is well.
2. Make sure the power of the AC appliance is within the scope of the power labeled on the inverter, plug the AC product you wish to power into the AC110/220V, make sure the sum of the appliances output from two sockets shall not exceed the labeled power of the inverter.
3. Turn the inverter rocker switch to the ON position, The LED indicator light should glow GREEN verifying the inverter is receiving power that means it is normal.
4. The RED indicator light indicates inverter shut down caused by low or high voltage, overload or excessive temperature.
5. In many cases, the power available through car cigarette lighter socket shall not exceeds 200W around, or else the inverter will buzzing and shut down, just restarting the car and using a smaller power AC appliance instead will solve the problem.
6. Installation diagram

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III. Precautions

1. Although your power inverter can supply momentary surge power twice the power rating, there could be occasions when products rated less than their rated watts may still exceed the inverter's surge capabilities, resulting in a triggered safety overload shutdown. Appliances such as TVs, computer monitors and electric motors are examples of products whose starting load will roar up to its peak load. If this problem occurs when attempting to simultaneously operate several AC products, first switching on the inverter with all AC products (appliances) turned off. After everything is powered off, turn each appliance on one-by-one, starting with the high surge product first.
2. Starting the car engine in time to charge your battery in order to avoid battery drain.
3. After continuous use, the temperature of shell surface will rise to 60° C, pay attention to keep ventilation, objects that are susceptible to heat should be kept away from it.

IV. Precautions

1. **Problem: The inverter shut down and indicator light is off**

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- as necessary.
Possible cause 2: Batteries connected in reverse polarity.
Solutions: examining the battery's connection, if any damage done to inverter, it should be replaced or sent to warranty.
Possible cause 3: poor contact at terminals
Solutions: Unhook and re-hook the 12-volt connections, and try again.
2. **Problem: The inverter shut down and RED indicator is on**
Possible cause 1: The rated power of AC product is higher than the nominal power of the inverter cause the overload shutdown.
Solutions: Try to use AC electric products whose power level is less than the converter's nominal power.
Possible cause 2: The power of AC electric product is less than the nominal power of inverter, the rated power is quite high lead to overload shutdown.
Solutions: The peak power of the AC electric product should be higher than that of the inverter, try to use electric products with the same peak power as the inverter.
Possible cause 3: The battery runs out(the inverter gives an alarm)
Solutions: Charge or replace the battery
Possible cause 4: The ventilation is not well, give rise up to overheated and shutdown.
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