

The actual voltage of this product is between 210V~240v, which is in accordance with the input voltage of the electrical appliance. The upgraded version is a dual-mode output.

Output DC and AC dual output, can output DC and AC voltage is fully compatible with all kinds of more electrical appliances

**Without connecting wires, the input and output wires need to be soldered by themselves.**

Instructions for use: This product can convert the DC power of 8V-13V battery into 220V AC power for home use and DC output dual output.

**This product is the latest 4 generation boost module, step-up transformer. Input 12V DC, the other end can get 220V AC, and 220V DC voltage. The frequency is high frequency and the output power is larger, which can drive 40W energy-saving lamps.**

Blackout (outdoor) for power supply :

Modem Modem Broadband Cat Internet Cat Telecom Telecommunications Router Satellite Receiver

Phone main unit mobile phone charging energy-saving lamp lighting fluorescent lighting IED lamp lighting

**DVD Player\VCD Machine\EVD Speaker Audio Switch Power Phone Charger**

**Electric soldering iron**

The effect is very good.

**This product can be used on any circuit board of household appliances; if it is used in energy-saving lamps, it is more perfect, and the performance is stronger; the power is more stable; the effect is better, and the quality is obviously more durable than the old ones:**

**You can make your own booster circuit. The maximum power of a circuit board is 40W. If you think the power is too low, you can connect the circuit boards in parallel. The 10 circuit boards can be connected in parallel with the power up to 120W-200W; they can be used for other high power. Home appliances! When power is cut off, it can be used for any electric appliance; for example, the power used by home appliances is relatively large, and it can be used only in parallel; after the parallel connection, it still belongs to the state of automatic changeover current and will not burn the electrical appliances due to excessive current! The "12V-220V inverter booster" of other similar products saves electricity up to 48.26%!**

**Power Available: 220V 0.1W- 40W**

**In this statement: There are two kinds of LED lights (cross-current power supply and RC drive)**

**This circuit board can only be used on cross-flow power supplies with better quality in the market.**

**It is not suitable for low-cost, low-capacity drivers.**

**Because the RC driver pulls the voltage on the circuit board. The resulting high voltage burns the resistance of the RC driver.**

**(The power factor circuit LED lights drive any inverter can not use "10W, plastic housing LED lights, it may be: power factor circuit LED lights " )**

**(Note: This circuit board actually consumes 40W ; the output uses actual power 40W ; can be used to instantly activate energy-saving lamps on the energy-saving lamps; then automatically drop the current; keep the current at the best 40W ; but the effect of energy-saving lamps with the brightness 40W )**

**Best Fit 220V Actual Power Consumption 0.1W to 40W Energy Saving Lamp! Compatible with 21W-50W energy-saving lamps; brightness is about 40W after startup !**

**Product use voltage DC12V: inverter output voltage AC220V maximum power output 36 watts; actual power consumption 40W !**

**(Note: "This circuit has been applied for a patent, please pay attention to the use of the way" This circuit board actually consumes 40W using the actual power of 40W ; can be used for household appliances within 40W ; power is small; can be used in parallel; automatic conversion of current!**

**Parallel 10 circuit board power up to 12W-200W; can use electrical 12W-200W lamps; 12W-200W home appliances! (Note: support all "electronic products") such as "energy-saving lamps \ solder \ speaker \ audio \ switch Power Supply\Satellite TV Receiver\Light Bulb\LED Light\LED Energy Saving Lamp\Fluorescent Lamp\DVD Player\VCD Machine\EVD Machine\LCD TV\Black and White TV\Color TV\Ding TV\Notebook\Computer\Various Computer monitor \ All electronic charger products \ etc." can be used; customers who need to purchase can consult the owner!**

**Appliances that do not meet the requirements must not be used:**

**First: can not be used in: iron core transformer (including motor type)!**

**Second: The output points ABCD multi-channel combination, each has its advantages, such as:**

**Dual-mode output**

**B plus D is the main output: this road output can be driven (mobile phone charging, TV receiving antenna, spiral energy-saving lamps, solenoid valve relay capacitor charging lightning protection equipment and socket socket can be used normally) double template of the best orthogonal compatibility .**

**A and B are secondary outputs: This output is specifically designed for resistive and capacitive step-down drive (night light resistance capacity LED light 110V AC appliances use) not these two types of products, please do not connect in order to avoid burning the module**

**A plus C third output: This output is designed for energy-saving lamps with overload protection.**

**Third: The double template can be used at the same time. The total power can not exceed 40W.**

**Instructions for use:**

**Double template: 3V-14V battery can be converted into 220V and 110V AC and 220V DC.**

**Output voltage: AC AC220V AC100V DC220V Output power 0.1W-26W**

**If the input voltage is 8V, the output is 1W-10W (Automatically variable power, according to load )**

**If the input voltage is 10V output is 1W-20W (Automatically variable power, according to load)**

**If the input voltage is 11V output, it is 1W-25W (automatically variable power, meaning by load)**

**If the input voltage is 12V output is 1W-35W (Automatically variable power, according to load)**

**If the input voltage is 13V output is 1W-40W (Automatically fluctuating power, according to load)**

**The product is a high-frequency current, and the universal meter can't test the voltage (the approximate voltage can be tested after the dual-mode DC hybrid energy load). The single template needs to be tested with a professional high-frequency universal meter to obtain the voltage. The voltage that you test with a universal meter of different brands is different and there is a gap. Some customers have reported that the voltage generated by the universal meter is too high, and some customers report that the tested voltage is too low. This is the result of different models testing. Do not pull high voltages on incompatible products. Consult the owner before use.**

**The actual voltage of this product is between 210V~240V and it meets the electrical input safety voltage.**

**The self-loss power control of the double template is between 0.3~0.5W, which is extremely power saving**

## 双模输出介绍

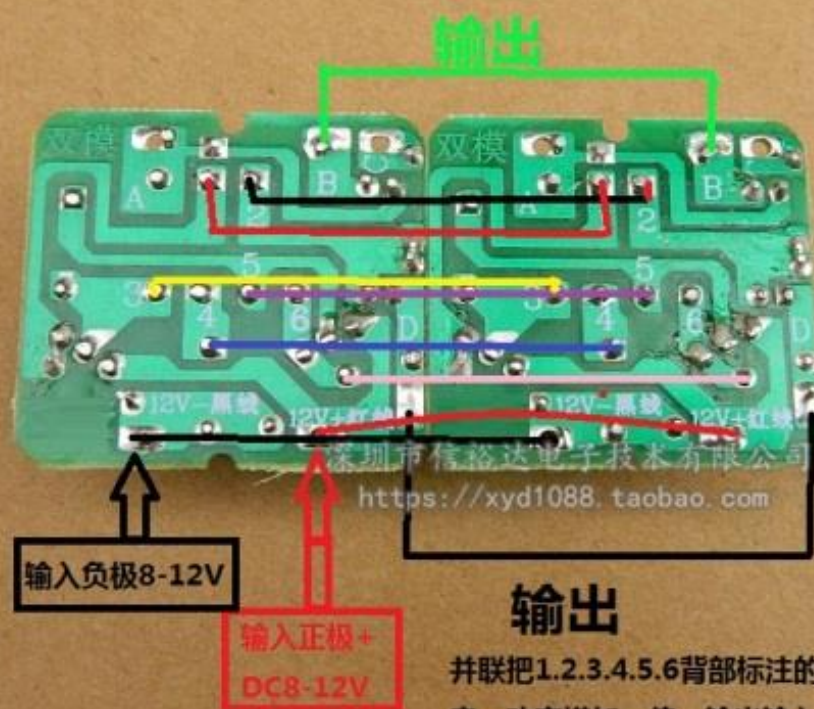
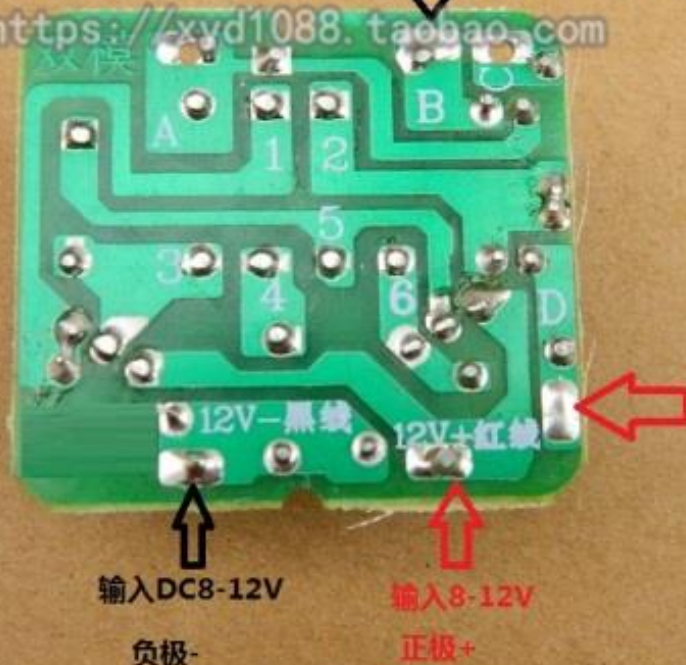
B加D为主输出：此路输出可驱动（手机充电，电视接收天线，螺旋节能灯，电磁阀 继电器 电容充电 防雷设备和排插插座均可正常使用）双模板的直交混合兼容性最好。

A加B为次要输出：此路输出专门用于阻容降压式驱动（小夜灯 阻容LED灯 110V的交流电器使用）非这两类产品，请勿乱接以免烧毁模块

A加C第三路输出：此输出专为节能灯设计，带有过载保护功能，

深圳市信裕达电子科技有限公司

<https://xyd1088.taobao.com>



Troubleshooting:

### **1. Drive LED light is off**

**Solution:** Connect the battery, LED lamps connected from the BD, AB, AC three excuse in turn to test the interface can drive, can not solve the link to the BD interface and then test whether the battery voltage is reduced, if reduced to reach the standard 8V Above please recharge the battery and retest

### **2. Charging the phone doesn't work**

**Solution:** The mobile phone must be connected to the BD interface for charging, and the other interfaces cannot be charged normally. Please pay attention to the interface.

The BD interface cannot be charged. Please check whether the input cable is reversed and whether the input battery has electricity.

### **3. Drive spiral energy-saving lamp does not shine**

**Solution:** Change the BD interface or AC interface repeatedly and check whether the battery voltage is normal after loading.

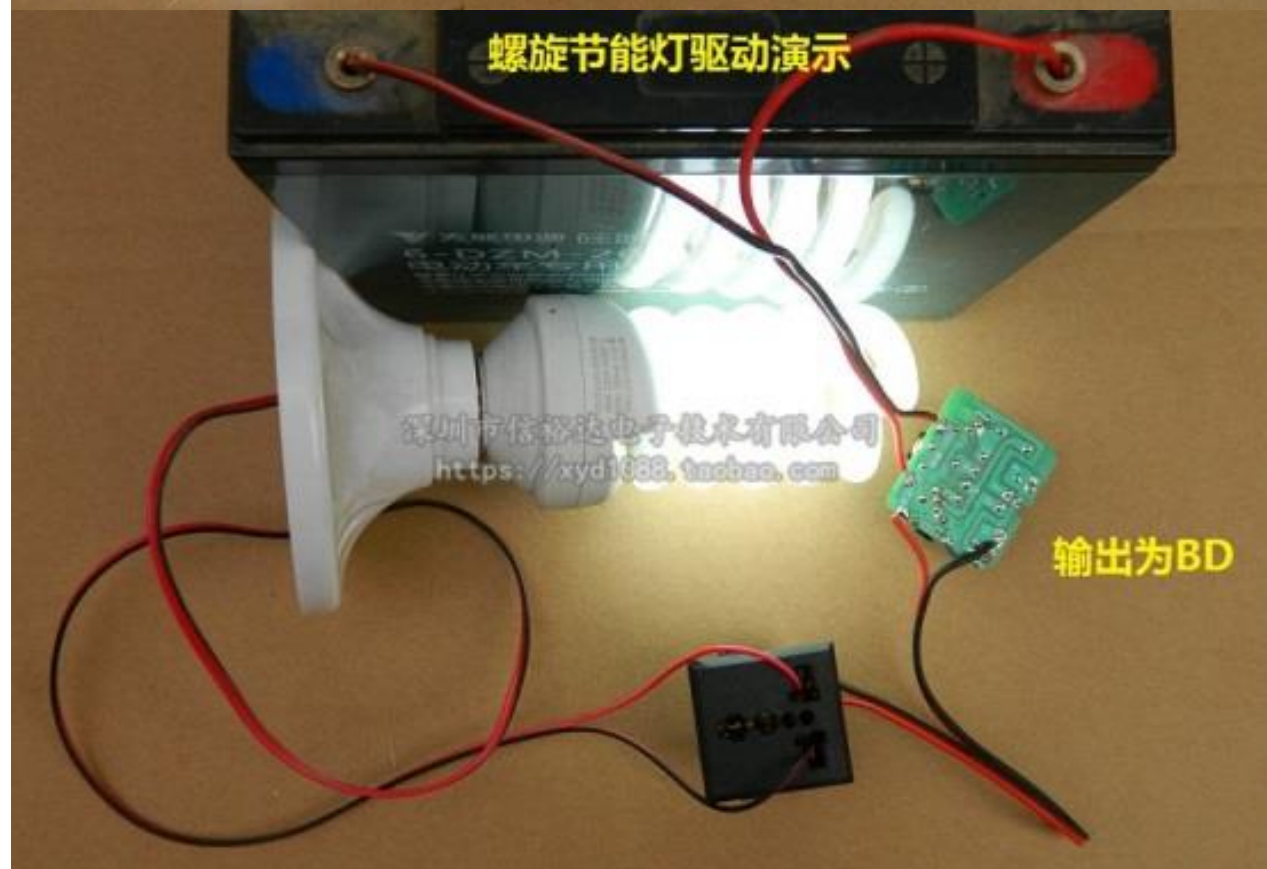
### **3 according to the introduction of normal links, can not drive**

**Solution:** replace the battery drive, some users use four string lithium battery 15.8V input voltage is too high caused by the module does not work, or the lithium battery output current is not enough, after the load test voltage drops below the standard value can not drive the device,

## 恒流LED节能灯驱动演示



## 螺旋节能灯驱动演示



**BD输出**

**手机充电演示**



**测试正常**

**魅族快充演示9V2A快充**

