数控电源钣金外壳（S800）组装说明

Digital power supply case (S800) assembly instruction

外壳适用数控电源型号： RD6012/RD6012W/RD6018/RD6018W

This case is suitable for RD6012/RD6012W/RD6018/RD6018W

修订日期：2020.9.15

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外壳适用数控电源型号：RD6012/RD6012W/RD6018/RD6018W

修订日期：2020.8.31

尊敬的用户，感谢您购买由睿登科技有限公司出品的数控电源配套外壳，为了让您更快了解本产品的全部功能，获得更好的使用体验，避免出现误操作，使用前请仔细阅读本说明并保留好，以便日后查阅。

注意：由于组装过程涉及超过人体安全的电压，非专业人士请勿操作，组装过程中做好绝缘和防护措施，重复检查接线，并将本品置于儿童和老人难以触碰到的地方。

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1. 注意事项

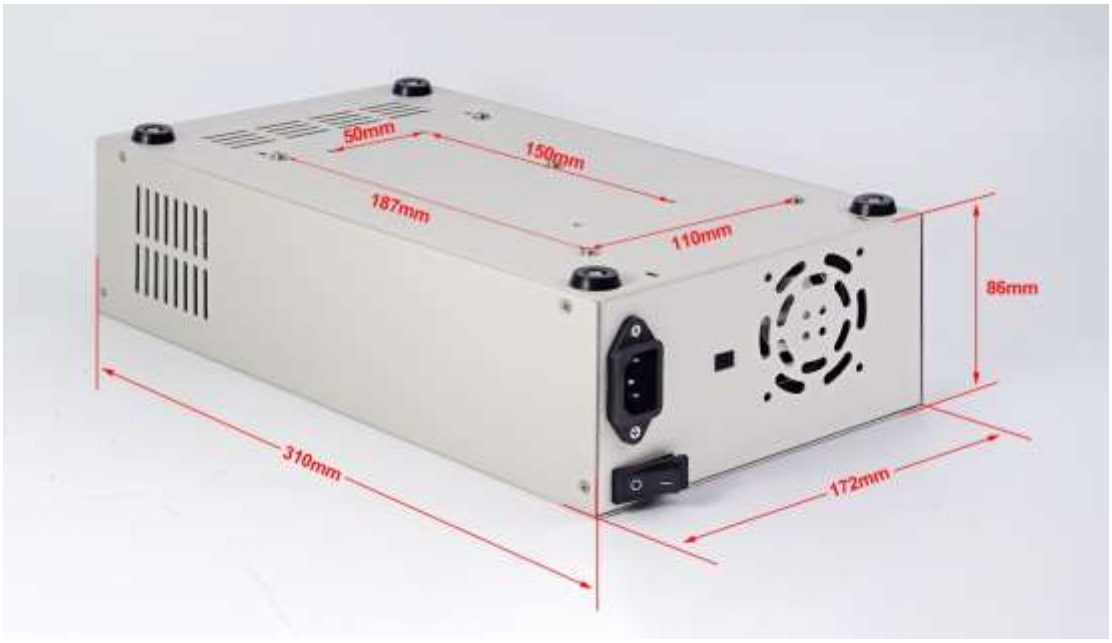
- 组装前请仔细阅读本文档，如有疑问请与本公司联系。

由于组装过程涉及超过人体安全的电压，非专业人士请勿操作，组装过程中做好绝缘和防护措施，并将本品置于儿童和老人难以触碰到的地方。

- 本外壳主要采用冷轧钢板或铝板材料，表面喷塑，组装、使用时应防止尖锐物体划伤，避免阳光直晒和潮湿环境。
- 组装时防止短路，正确连接正负极。
- 不可在电源接通的情况下连接电路。
- 尽量避免震动和跌落。

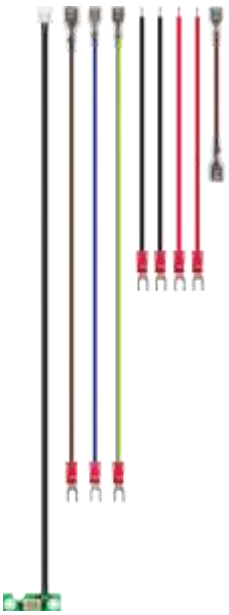
2. 产品尺寸

请优先使用推荐开关电源，由于套装的散热借助了开关电源的风扇，如用其他电源请注意，电源的散热能力是否足够，下图固定孔位置是否合适，



3. 配件列表

名称	规格	数量	图片
上盖板	S800 上盖板	1	

下盖板	S800 下盖板	1	
连接电线	棕色 32cm：1 根 棕色 10 cm：1 根 黄绿 32cm：1 根 蓝色 32cm：1 根 红色 17cm： 2 根 黑色 17cm： 2 根 温度传感器延长小板	9	
船型开关	KCD3	1	
品字插座	AC-04	1	
防滑脚垫	Φ13*4	4	
防脚垫、开关电源、小板固定螺丝	M3*4 圆头带介	11	
外壳及品字插座固定螺丝	M3*6 平头白色	10	

4. 产品配件图

5. 组装步骤

5.1 组装准备

- RDxx 数控电源一台，S800 外壳一套，65V800W 开关电源一台。
- 工具，附件（直流稳压电源，品字电源线，万用表，螺丝刀，测电笔等）。
- 适当的组装环境。

推荐开关电源：

https://item.taobao.com/item.htm?spm=2013.1.3.6.7550987bI14uey&id=616423518679

5.2 组装步骤：

注：外壳质地略软，运输中可能会产生轻微的变形，如果组装的时候产生缝隙，请轻轻掰直后再组装。

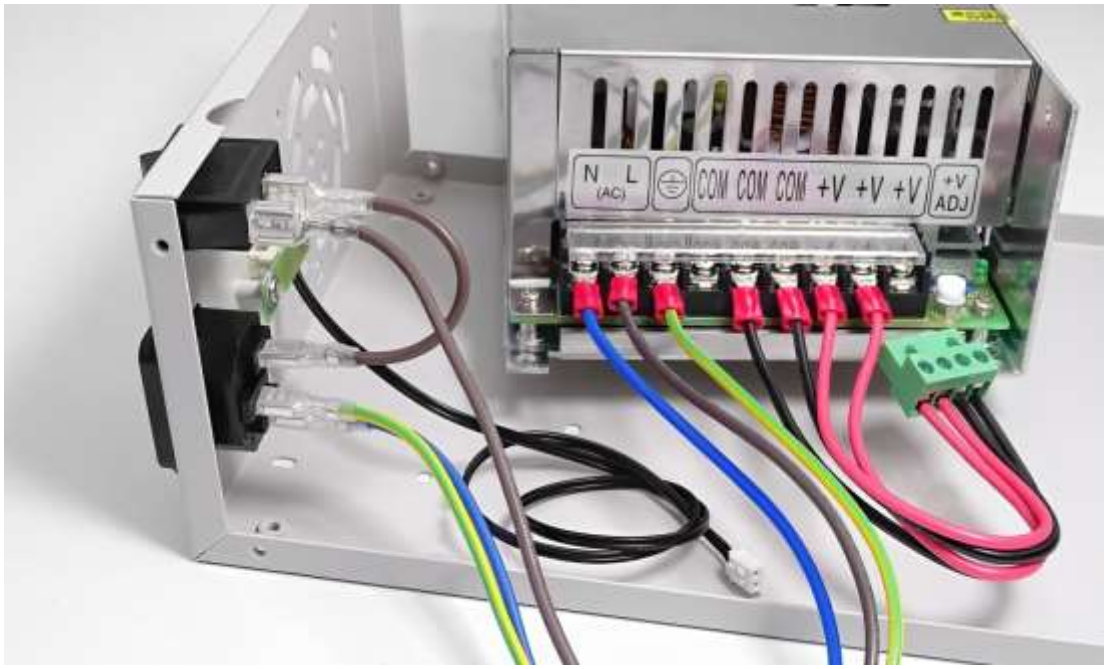
1. 配件检查：对照配件列表或配件图检查 S800 的配件是否完整。

2. RDxx 电源检查：检查 RDxx 的配件是否齐全，直流稳压电源调整到 12V1A 给 RDxx 通电， RDxx 设置 5V1A 打开输出看显示是否正常。

3. 后面板组装：将开关，品字插座组装到下盖板上。

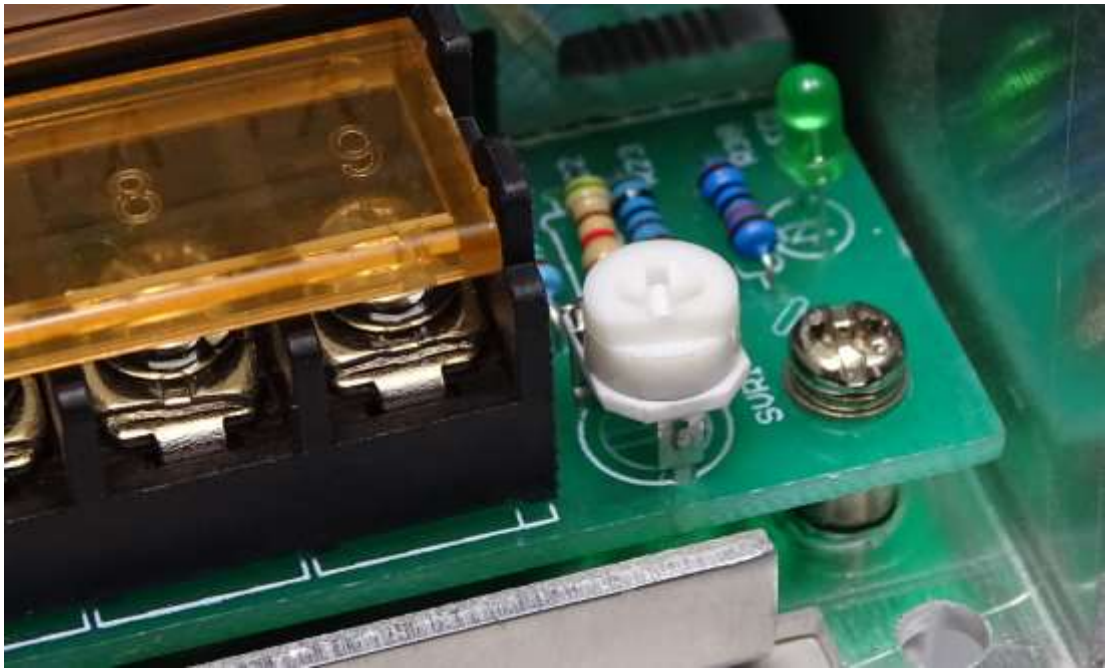
4. 接通电源线：此步骤有触电风险，需要专业人员操作

用棕线连通开关和开关电源的火线（L）；然后用棕线连通开关和品字插座的火线（L）；用蓝线连通品字插座零线（N）和开关电源零线（N）；用黄绿双色线连通品字插座地线（E）和开关电源地线（⏚）；用两根红线接通绿色端子正极（IN+）和开关电源正极（+V），用两根黑线接通绿色端子负极（IN-）和开关电源负极（COM）；并将温度传感器延长小板安装到外壳上。

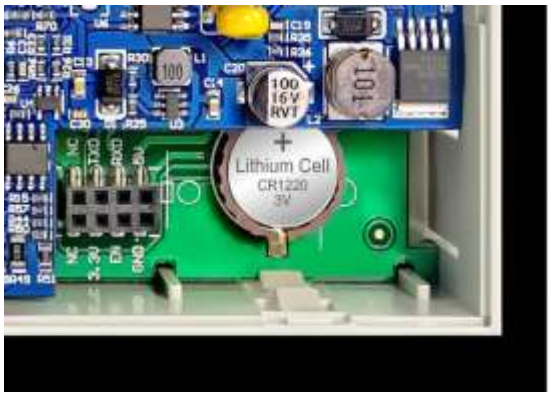


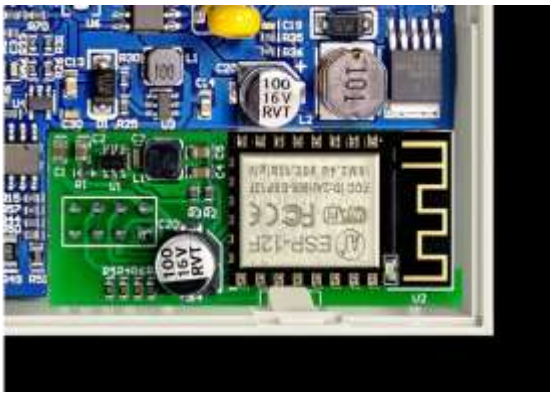
5. 开关电源组装：将电源安装到下盖板上。

6. 开关电源测试：再次检查接线正确后，用品字线接入市电，打开开关用测电笔检查供电和绝缘状况，再用万用表测量开关电源输出（+V 和 COM）是否正常，然后用小螺丝刀调整下图白色电位器将电源的输出值微调到 68V 左右。



7. RDxx 组装：如自己配有时钟电池，可以将电池正极朝上安装，如果配有 WiFi 功能,将 WiFi 板如图对准安装到位。安装产品时将 RDxx 平行对准卡进去（斜着进不去），为了防止晃动卡口做的比较紧,如果卡口略有变形，可以轻轻掰直。

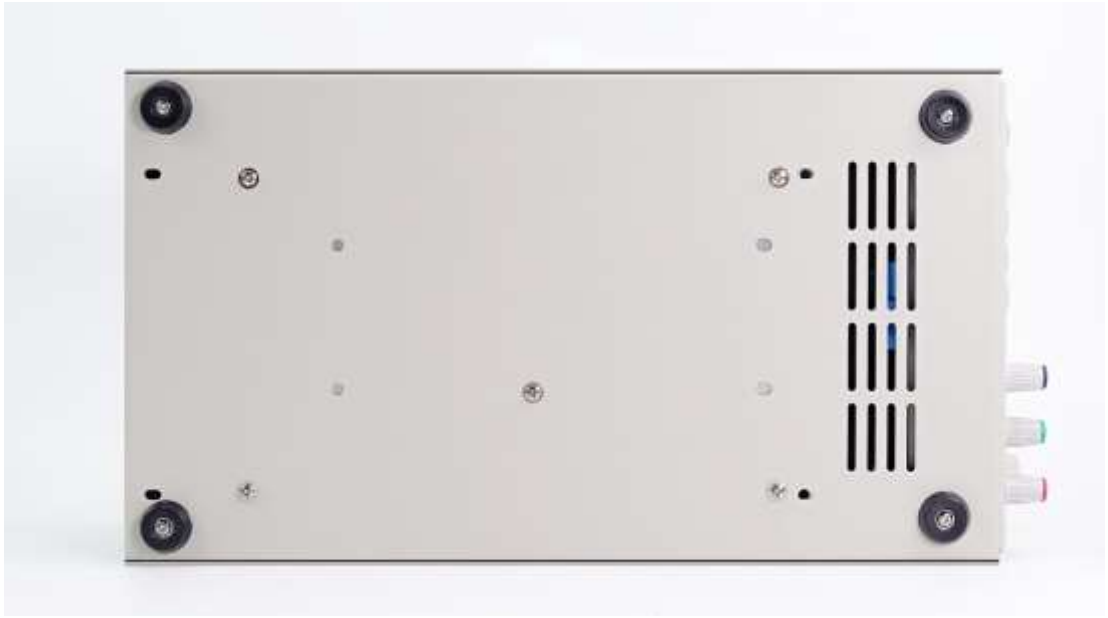




8. 剩余接线组装：将温度传感器延长线插好，然后将绿色端子插好，并整理接线。

9. 安装外壳螺丝。

10.安装脚垫。



11.如果需要使用外部温度测量功能，可以将温度线在后面插好，最后通电测试使用。

Digital power supply case (S800) assembly instruction

This case is suitable for RD6012/RD6012W/RD6018/RD6018W

Date: 2020.9.15

Dear users, thank you for purchasing the digital power supply accessory-metal case produced by Hangzhou Ruideng Technology Co., Ltd. In order to let you know more about the full function of this product, get a better experience and avoid misuse. Please read this instruction carefully before assembly. Keep it for future reference.

ATTENTION: Since the assembly process involves voltage that exceeds the human body's safety, non-professionals should not operate, you must do insulation and protective measures during the assembly process, and check the wiring several times for safety, please place the product at a place that children and old people cannot get.

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1. Notes

● Read this instruction carefully before assembly, if you still have any questions, please contact us.

Since the assembly process involves voltage that exceeds the human body's safety, non-professionals should not operate, you must do insulation and protective measures during the assembly process, don’t forget to check the wiring several times for safety, and place the product at a place where children and old people cannot touch.

●This case is made of cold-rolled steel plate or Aluminum plate and the surface is sprayed. When assembling and using, prevent it from scratching by sharp objects, and avoid direct sunlight and humid environment.

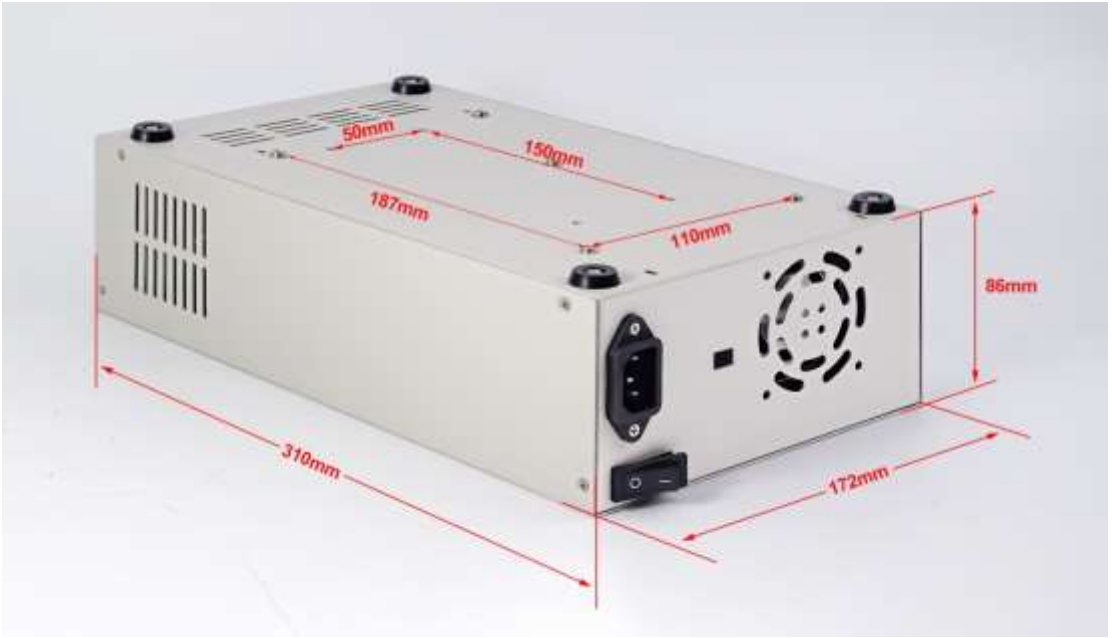
● Avoid short circuit when assembling, connect the electrode correctly.

● NEVER connect the cables when you turn on the power.

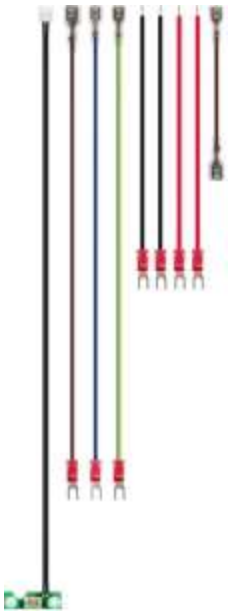
● Try to avoid vibration and fall.

2. Product Dimension

Please use the switch power supply we recommend, the heat dissipation is provided by the fan of the switch power supply, and if you use other power source, please check if the heat dissipation is good enough, and check whether positions of fixing holes are suitable or not.



3. Accessory List

NAME	SPECIFICATION	QUANTITY	PICTURE
Upper Board	S800 upper board	1	
Lower Board	S800 lower board	1	
Connection Cables	Brown 32cm：1 Brown 10 cm：1 Yellow Green 32cm：1 Blue 32cm：1 Red 17cm： 2 Black 17cm： 2 Temperature sensor extension board :1	9	
Rocker switch	KCD3	1	
AC power socket	AC-04	1	
Non-slip mats	Φ13*4	4	

Screws for fixing mats, extension board and switch power supply	M3*4 round head	11	
Screws for fixing case and AC power socket	M3*6 flat head(white)	10	

4. Accessory Picture

A: Lower Board	B:Upper Board
C: Screws for fixing mats, extension board and switch power supply	D: Screws for fixing case and AC power socket
E: Non-slip mats	F: Rocker switch
G: AC power socket	H: Connection Cables

5. Assembly Procedure

5.1 Assembly Preparation

- RD60xx digital power supply*1, S800 case*1, 65V800W switch power supply*1
- Tools, accessory (DC power supply, 3 pin plug cable, multimeter, screw driver, test pencil...)
- Proper assembly environment

5.2 Assembly step

Note: The case material is a bit soft and may be slightly deformed during transportation. If there is a gap during the assembly, please straighten it before assemble it.

①Check the accessories: check if the accessories of S800 are same as accessories list or accessory picture.

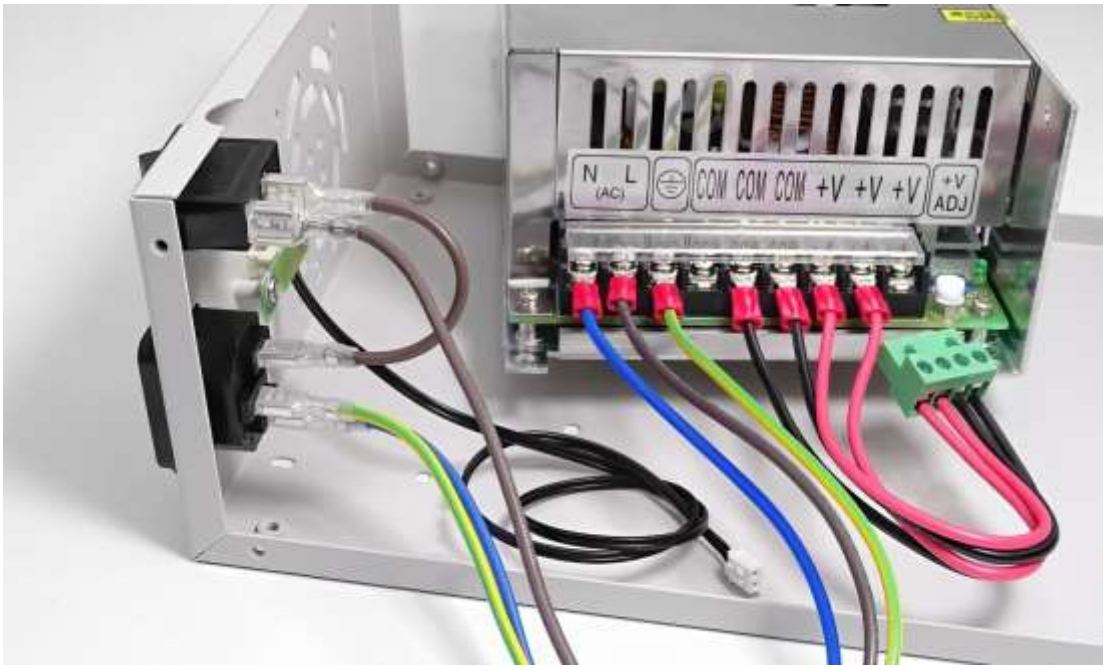
②Check RD60xx: Adjust input power supply to 12v/1A to power on RD60xx, and set 5V/1A output on RD60xx, turn on the output to see if the output is normal.

③Back board assembly: install the rocker switch and AC power socket on the lower board.

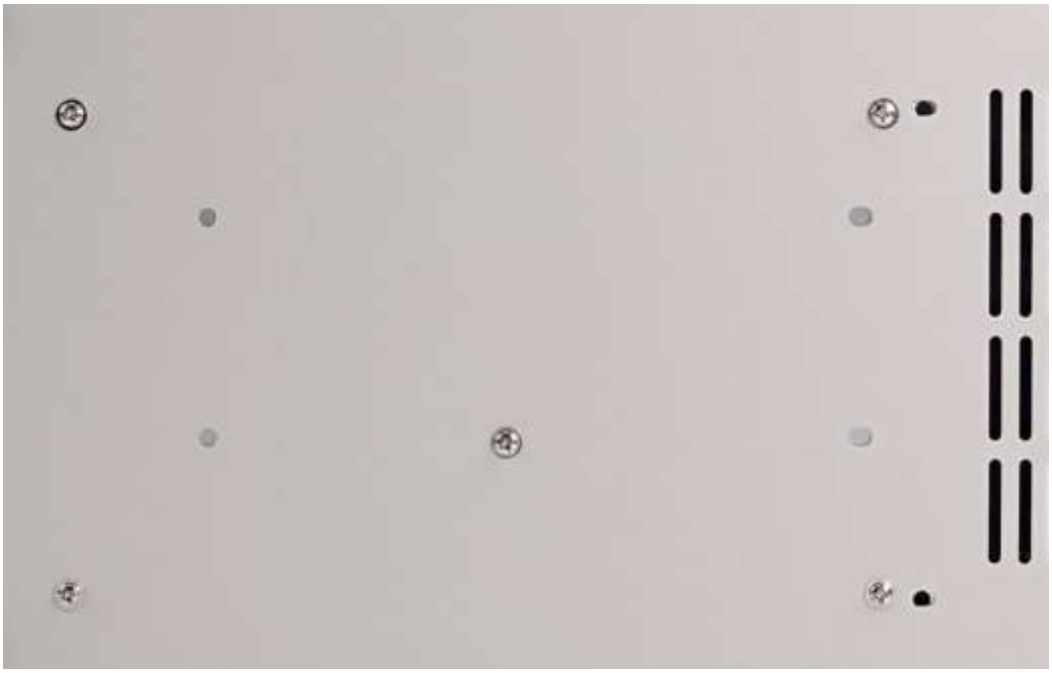
④Connect cables to switch power supply: (dangerous, non-professionals should not operate)

Use long brown cable to connect the rocker switch and the live wire (L) of the switch power

supply; then use short brown cable to connect the rocker switch and the live wire (L) of the AC power socket; Use the blue cable to connect the neutral wire (N) of AC power socket and the neutral wire (N) of switch power supply; Use a yellow-green two-color cable to connect the ground wire (E) of AC power socket and the ground wire (⏚) of switch power supply. Use two red cables to connect the IN+ of the green terminal and the positive electrodes (+V), and use two black cables to connect the (IN-) of the terminals and negative electrodes (COM). Install the temperature sensor extension board to the back panel.

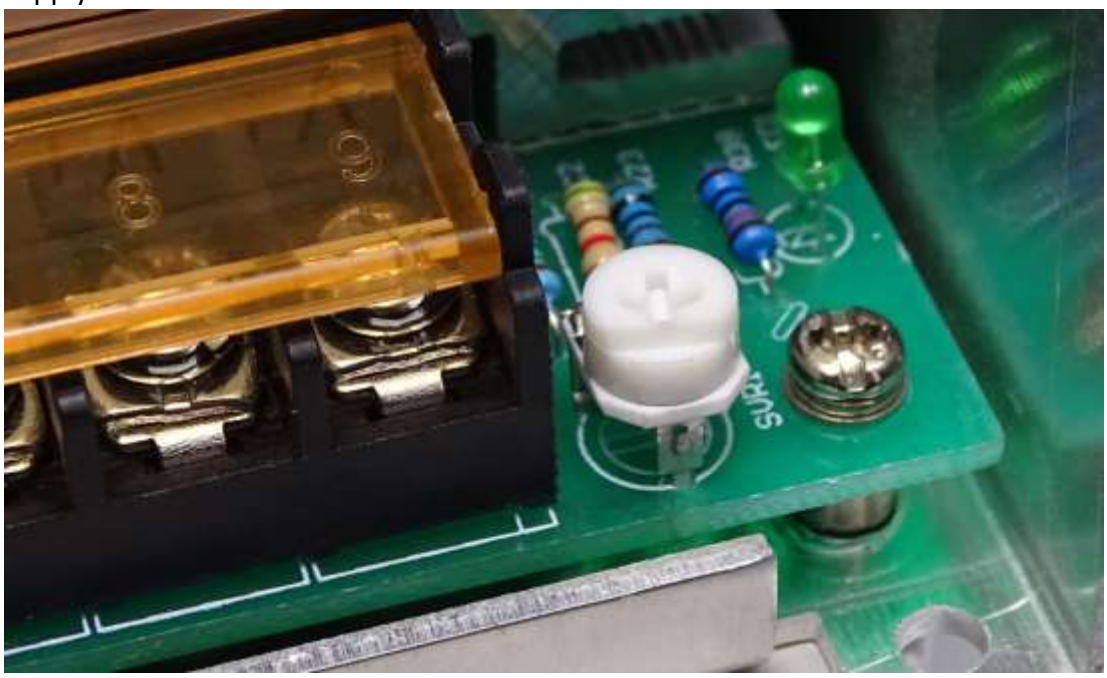


⑤Assemble the switch power supply：Install the switch power supply on the lower board

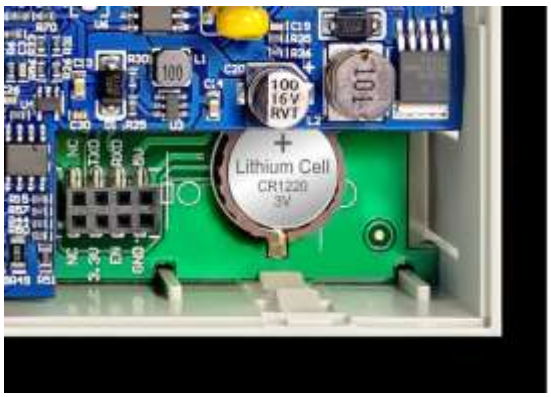


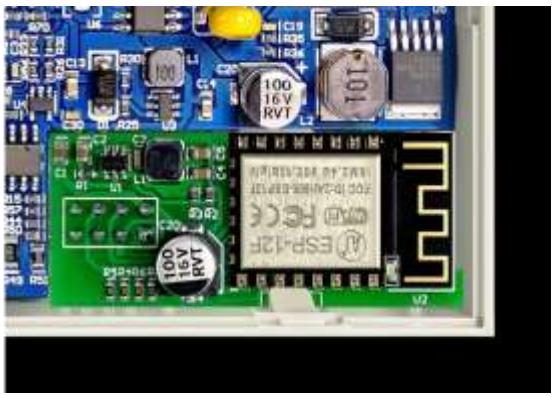
⑥switch power supply test:

Check the wring again and power on the switch power supply, and use test pencil to check the power and insulation status. Then use multimeter to check if the 60V output is normal, then use screw driver to adjust the output of the switch power supply to about 68V.



⑦ RD60xx assembly：If you have CR1220 battery, please install the battery with the positive side facing up, if you have WiFi module, please install it like what shows in the picture. Install RD60xx to the front side in the correct way, otherwise it cannot be installed properly, we make flame tight to prevent the RD60xx from shaking, if the case is slightly deformed, you can gently bend the case to make it straight.

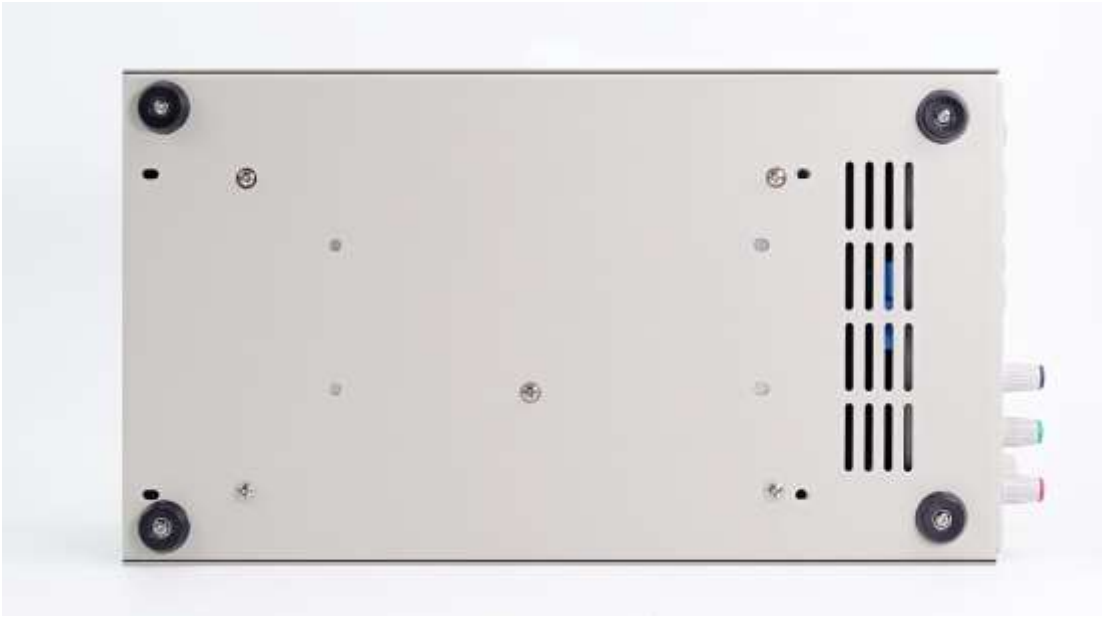




⑧ Connect the rest cables: insert the external temperature sensor cable, insert the green terminal and sort out the cables.

⑨Install the screws of the case

⑩ Install the foot pads.



⑪ If you need to use external temperature detect, you can insert the external temperature sensor cable to be back end of the case, and do final test.