

Digital power supply case (S800) assembly instruction

This case is suitable for RD6012(W)/RD6012P(W)/RD6018(W)RD6024(W)

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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.

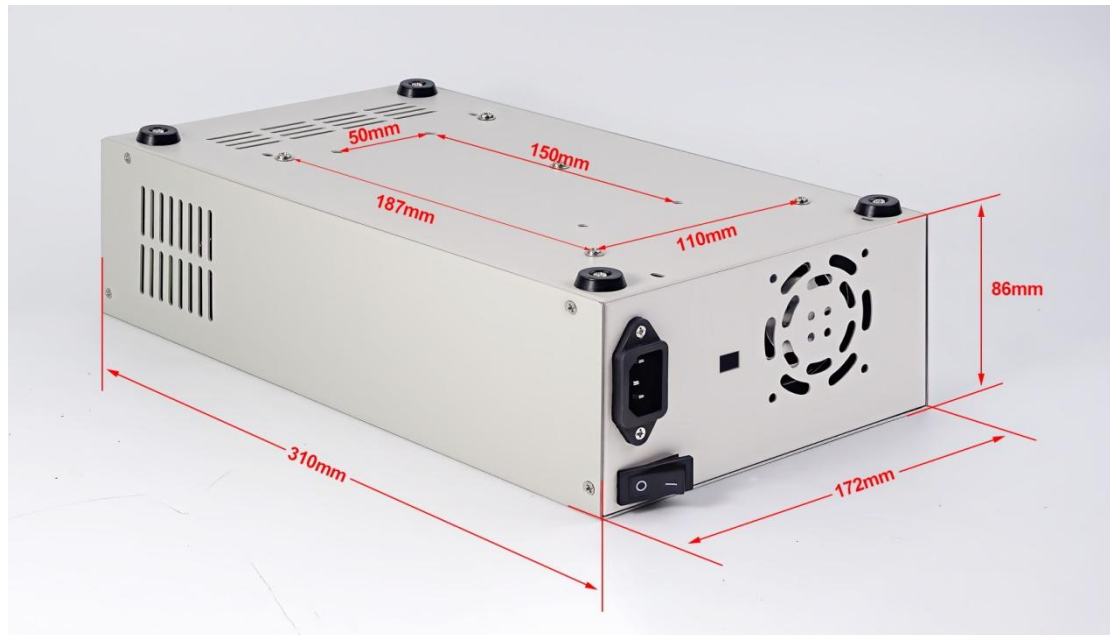
Since the assembly process involves voltage that exceeds the human body's safety, non-professionals should not operate, you must do insulation and protective measures during the assembly process, don't forget to check the wiring several times for safety, and place the product at a place where children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


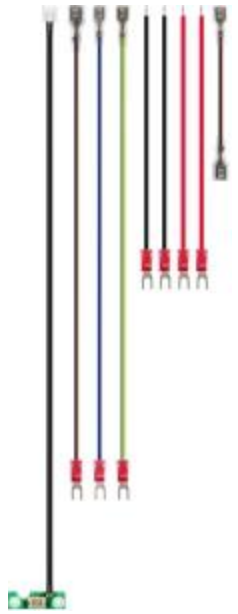



- Avoid short circuit when assembling, connect the electrode correctly.
- NEVER connect the cables when you turn on the power.
- Try to avoid vibration and fall.




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 extension board and switch power supply	M3*4 round head	7	
Screws for fixing mats	M3*5*7 round head	4	
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, extension board and switch power supply	D: Screws for fixing case and AC power socket
E: Screws for fixing mats	F: Non-slip mats
G: Rocker switch	H: AC power socket
I:Connection Cables	

5. Assembly Procedure

5.1 Assembly Preparation

- RD60XX digital power supply* 1, S800 case* 1, 800W68V switch power supply* 1(it is same with 1000W/1200W/1500W PSU)
- 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.

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

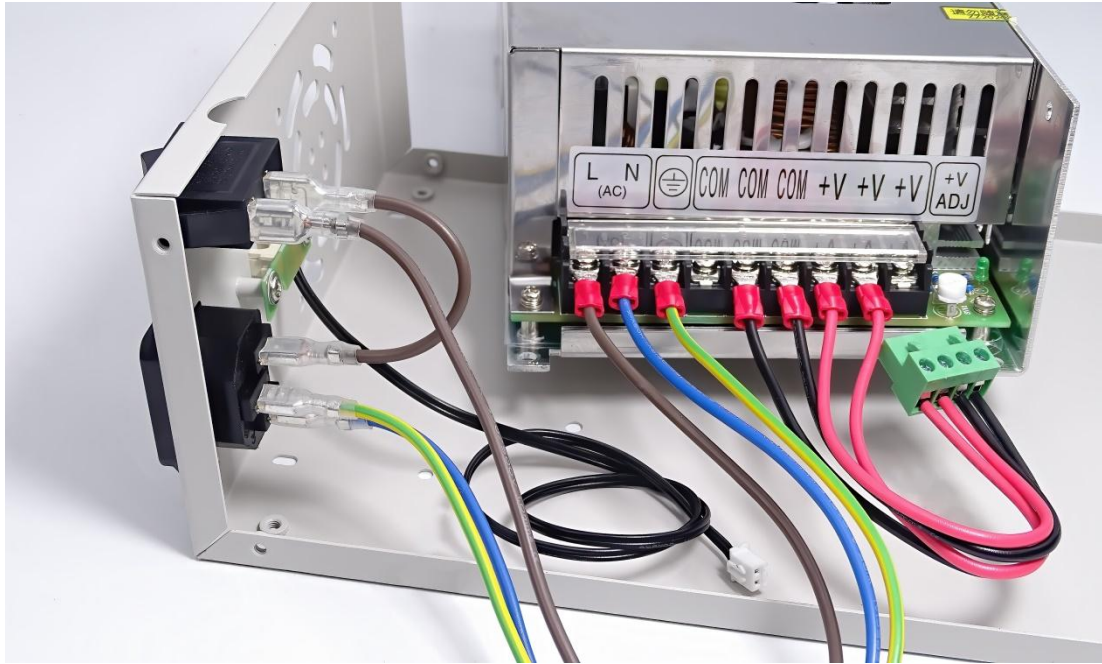
② Check RD60XX: Adjust input power supply to 12v/1A to power on RD6012, and set 5V/1A output on RD60XX, turn on the output to see if the output is normal.

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

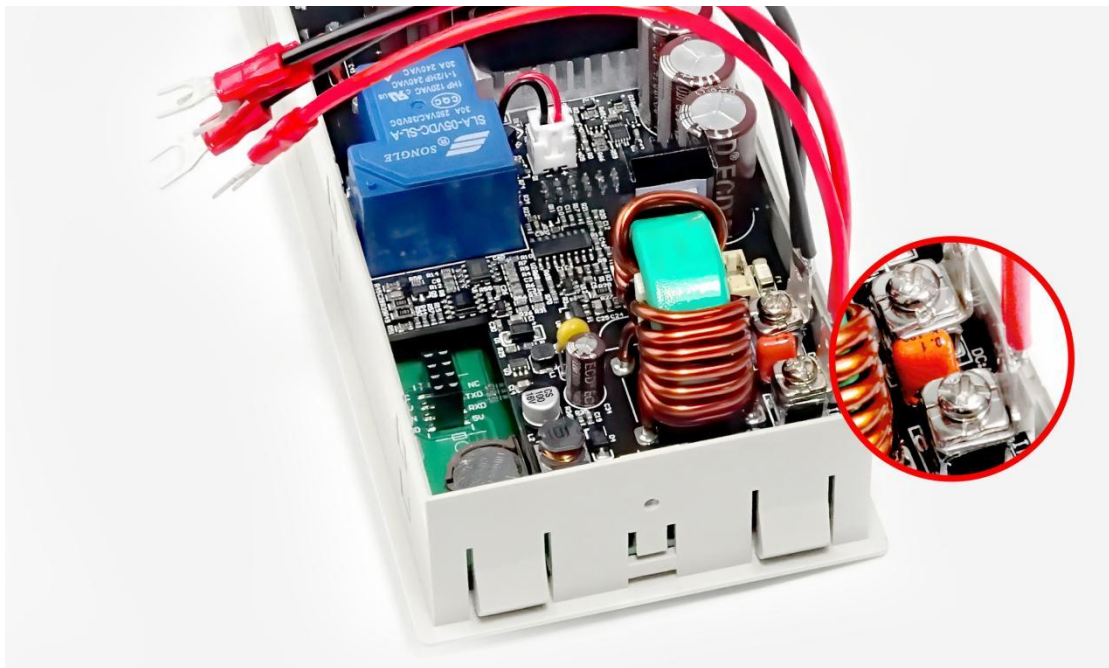


④ Connect cables to switch power supply: (dangerous, non-professionals should not operate)

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.



If you want to use S800 for RD6024, you need to solder the connector to the cables first, then you connect the RD6024

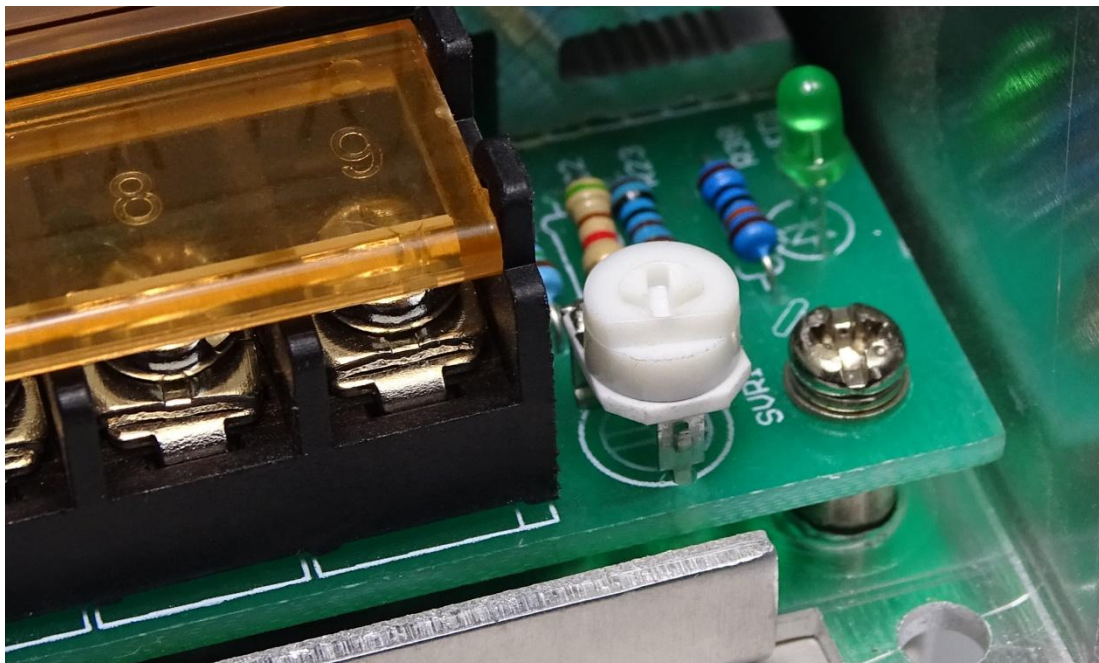


⑤ Assemble the switch power supply : Install the switch power supply on the lower board



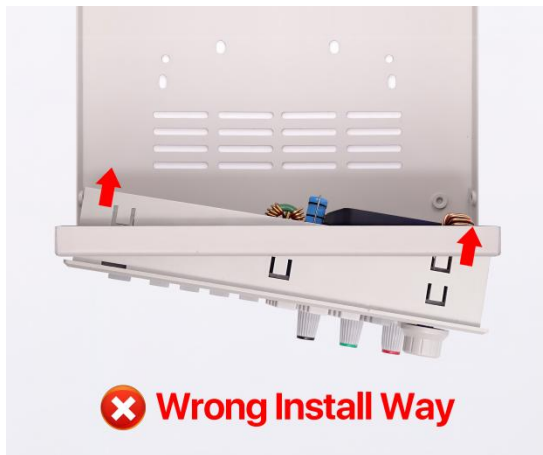
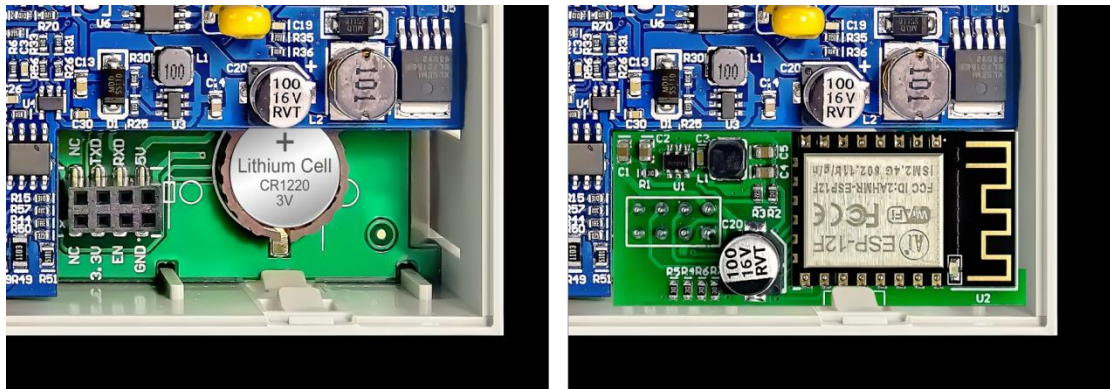
⑥ switch power supply test:

Check the wiring 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.



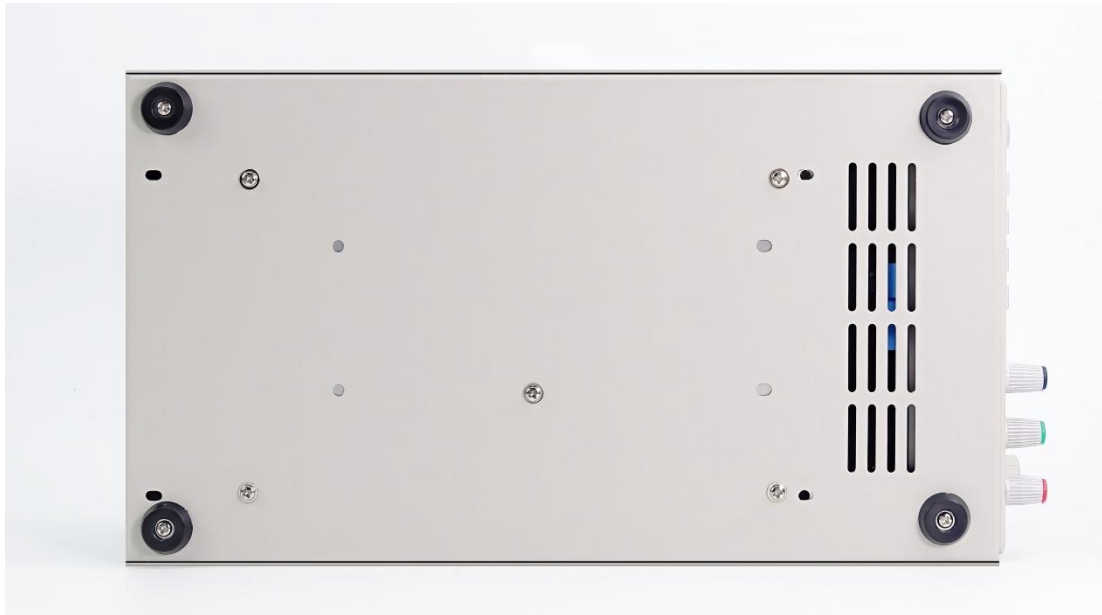
⑧ Connect the rest cables: insert the external temperature sensor cable, insert the green terminal and sort out the cables.



⑨ Install 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.

