

 RD RUIDEN RD6018 RD6018W 60V 18A USB USD 59.25-172.32/piece	 RD RD6006 RD6006W USB WiFi DC DC USD 60.74-126.40/piece	 RD RD6012P RD6012PW USB WiFi 5 USD 59.25-139.74/piece	 RD RD6012 RD6012W USB WiFi DC to DC USD 59.25-154.05/piece
 RD UM25 UM25C for APP USB 2.0 Type-C USD 18.26-33.25/piece	 RD DPS5020 Constant Voltage current DC DC USD 43.87-69.22/piece	 RD6006W RD6012W RD6018W RD6006PW USD 131.34-203.98/piece	 RD RUIDEN RD6024 RD6024W 60V 24A USB USD 69.13-130.50/piece

800W PSU can let RD6018 output 18A, or let RD6018 output 60V, but it cannot let RD6018 full output 60V/18A because it is lower than the max output power of RD6018(1080W)
1000W PSU is 68V 17A output at 220V AC input, it can let RD6018 full output, but it is 68V 14.7A (about 1000W) at 110V AC input, so it cannot let RD6018 full output, please set the power limit to 950W in RD6018 setting.

NOTE for Switching power supply: When get the PSU, please use multimeter to check if the real output voltage is stable and fits the rated voltage, to see if it is damaged on the way, if the output is abnormal, please contact us, do not connect it to RD power supply to avoid more loss

800W PSU Switching Power Supply (65V or 68V version random shipment)			
Version			
Voltage	65V 68V		
Installation	Guide The Installation		
Input Voltage	100-120VAC/200-240VAC		
Current	About 12A		
Power	800W		
Name	Switching Power Supply	Installation	Guide The Installation
Model	1000W68V	Input Voltage	100-120V/200-240V AC
Voltage	68V	Working Temperature	-15°C~65°C
Current	17A@220V 14.7A@110V	Efficiency	About 86%
Size	241×125×65mm		



Technical Support

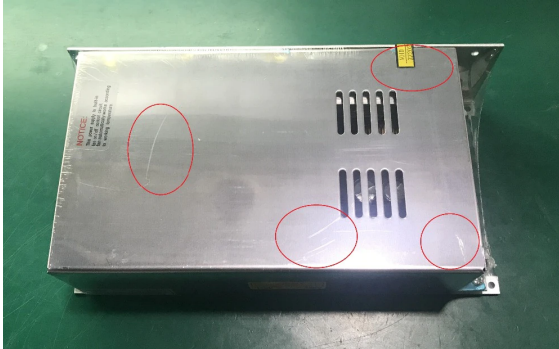
If you have any questions about our products, welcome to contact us in these ways, for now we support Tencent QQ group, WeChat group and WhatsApp, here is the contact information.

QQ Group:550112838
WeChat:15868147353
WhatsApp:+8615868147353

Note before buying:

- 1, those 2 choice **S800 case** and **S12D case** are only case, not containing any power supply. some picture show installation finished by RD6012, switch power and case.
 - 2, there are 2 choice, **S800 case** and **S12D case**. For S800 case, you can put AC-DC switch power and RD6012 into this case. for S12D, you can only put RD6012.
- RD6012/RD6018 and S800 case assemble instruction :<https://drive.google.com/drive/folders/1LNymuq8oLL32XDJXZFQow7xtbuP6bMI?usp=sharing>
RD6012/RD6018 and S12D case assemble instruction :<https://drive.google.com/drive/folders/1T66hTdQfkDyEG0yMzu-64BNY5Za8CmSn?usp=sharing>

Installation video: https://youtu.be/RkIH9xOx_5M



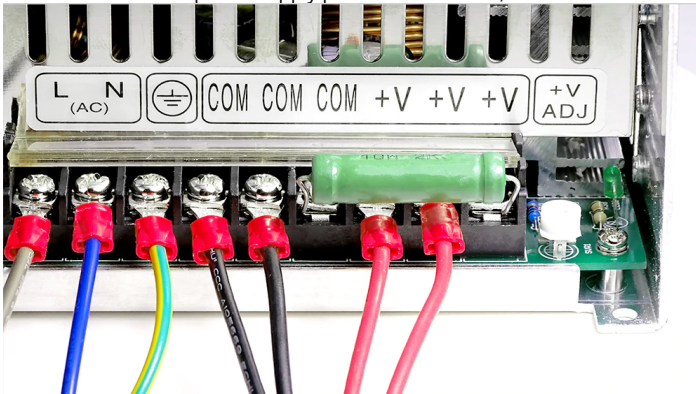
there may be scratches on the surface but it doesn't affect the product performance, please do not be over picky, and if you do mind this, please do not buy this product

3, for S800 case, it is just case, not containing any power supply, but it is suitable for RD6012/RD6012W and AC-DC 800w switch power supply, you can buy them separately to assemble.

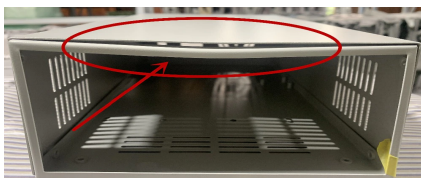
5.install the device in the right way

**Friendly reminder:**

- there may be **high-frequency noise** when the 800W 65V switch power supply is powered on and there is no load, which can be improved by adding a load resistor **as shown in the figure!** But for some people, they can still hear the noise, if you mind the noise, please do not buy this power supply, 800W 68V PSU does not need this
- You can only connect the cables with a foundation in electronic and electrical engineering and it must be reliably grounded!
- Due to express delivery, some power supply warranty labels may be damaged, which does not affect product warranty!
- Due to the different power supply production batches, the internal material details may be different, hereby explain!



5,for S800 case, during the shipping, **maybe** the case side will be a little deformation (just like picture), you can use your hand to adjust, that's ok, if you do mind this , please stop buying.



6.when intall our 800W PSU into our case, please follow our instruction to assemble, do not remove the shell of the PSU to use. After the shell of the switching power supply is removed, the structural change of the heat dissipation system will lead to insufficient heat dissipation,and some components will be overheated and damaged, in this case we don't offer after sell service



S800 Case Instruction:

Digital power supply case (S800) assembly instruction

This case is suitable for RD6012

Date:2020.5.11

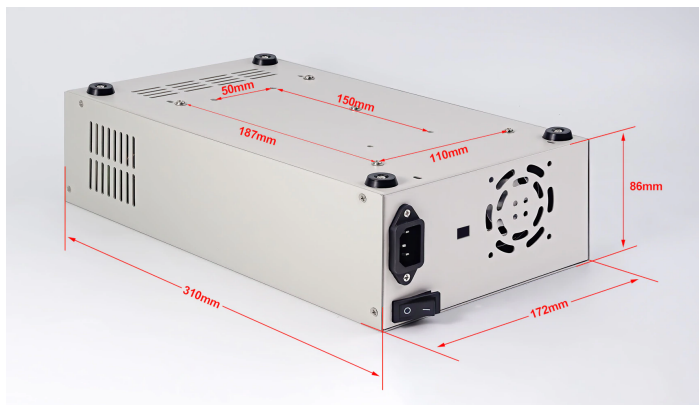
Dear users, thank you for purchasing the digital power supply accessory-metal case produced by Hangzhou Ruideng Technology Co., Ltd. In order to let you know more about the full function of this product, get a better experience and avoid misuse. Please read this instruction carefully before assembly.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

Please use the switch power supply we recommend, and if you use other power source, check if the positions of fixing holes are suitable or not.



2.Product Dimension



3.Accessory List

NAME	SPECIFICATION	QUANTITY	PICTURE
Upper Board	S800upper board	1	
Lower Board	S800lower 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:UpperBoard
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.AssemblyProcedure

5.1 Assembly Preparation

- RD60XXdigital power supply*1, S800case*1,800W switch power supply*1
- Tools, accessory(DC power supply, 3 pin plug cable, multimeter, screw driver, test pencil...)
- Proper assembly environment

It is recommended using a 800W switch power supply as shown below.



5.2 Assembly step

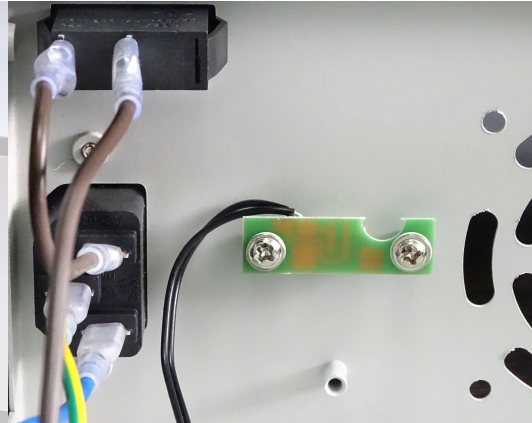
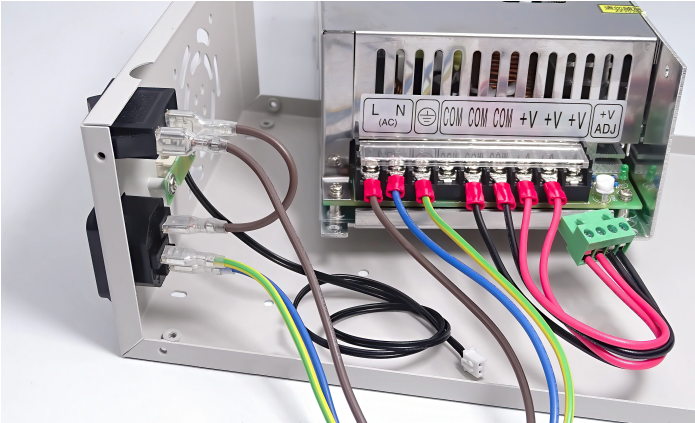
Note:The case material is a bit soft and may be slightly deformed during transportation. If there is a gap during the assembly, please straighten it before assemble it.

- ①Check the accessories: check if the accessories ofS800are same as accessorieslist or accessory picture.
- ②Check 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.
- ③Back board assembly: install the rocker switchandAC power socketon the lower board.

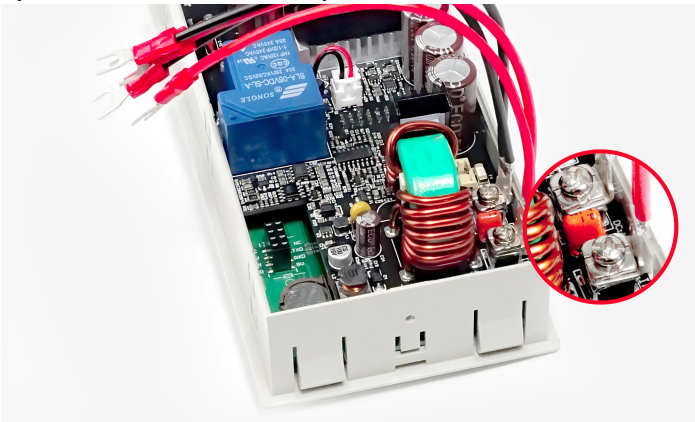


④ Connect cables to switch power supply: (dangerous, non-professionals should not operate)

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 ($\equiv$) 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

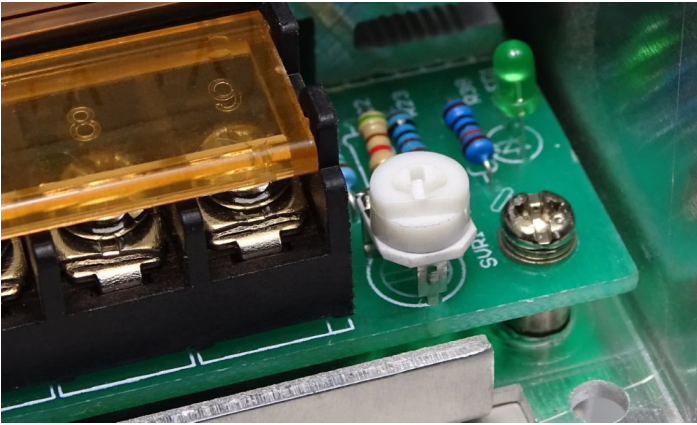


⑤ Assemble the switch power supply: Install the switch power supply on the lower board

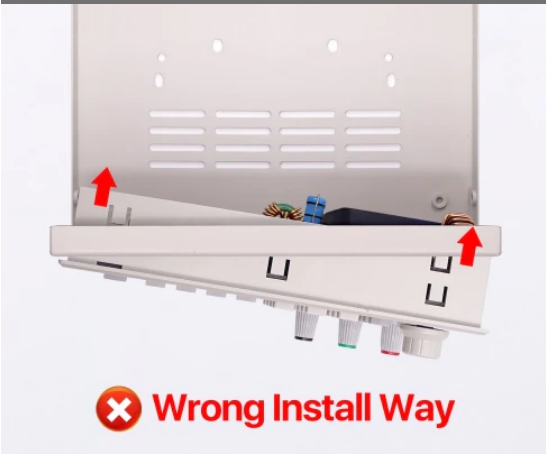
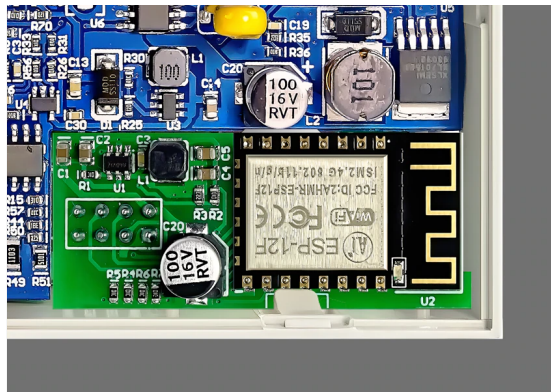
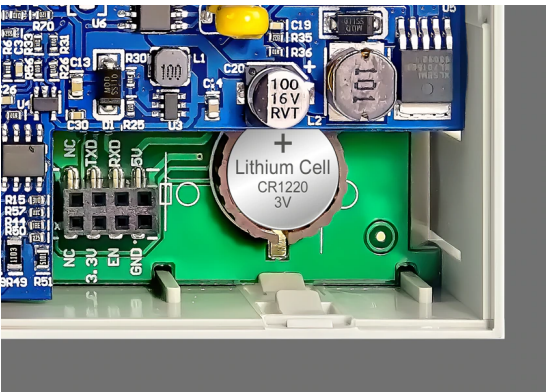


⑥ Switch power supply test:

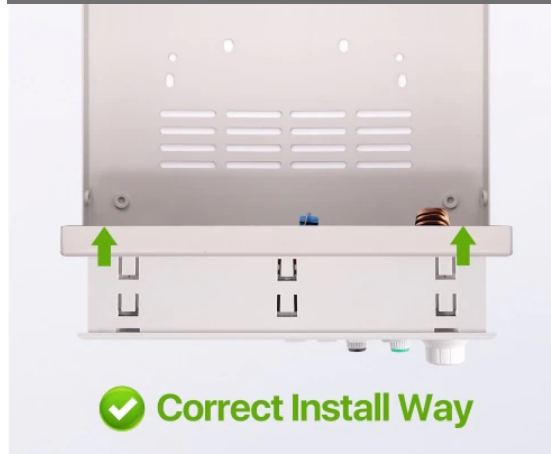
Check the wiring again and power on the switch power supply, and use test pencil to check the power and insulation status. Then use multimeter to check if the output is normal, then use screw driver to adjust the output of the switch power supply to about 68V.



⑦RD60XX 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.



✗ Wrong Install Way



✓ Correct Install Way

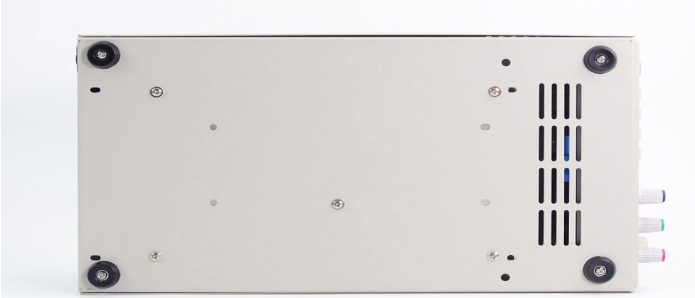
⑧Connect the rest cables: insert the external temperature sensor cable, insert the green terminal and sort out the cables.



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.



S12D Case Instruction:

Digital power supply case (S12D) assembly instruction

This case is suitable for RD6006/RD6006-W/RD6012/RD6012-W

Date: 2020.5.21

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.



1. Notes

- Read this instruction carefully before assembly, if you still have question, please contact us.
- This case is made of cold-rolled steel 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 electrodes correctly.
- NEVER connect the cables with the power ON.
- Try to avoid vibration and fall.

2.Product Dimension



3.Accessory List

NAME	SPECIFICATION	QUANTITY	PICTURE
Upper Board	S12D	1	
Lower Board	S12D	1	
Cables	RED: 2 BLACK: 1	3	
Female Banana Socket	M4*36	2	
Rocker switch	KCD3	1	
Non-slip mat	Φ13*4	4	
Mat fixing screws	M3*5*7	4	
case fixing screws	M3*6 flat head white	8	

4.AccessoryPicture



A: Upper Board	B: Lower Board
C: Non-slip Mats	D: Screws for Non-slip Mats
E: Case Fixing Screws	F: Cables
G: Rocker Switch	H: Female Banana Socket

5.AssemblyProcedure

5.1 Assembly Preparation

- RD series digital power supply*1, S12D case*1
- Tools, accessory (DC power supply, screw driver)
- Proper assembly environment

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.

5.2 AssemblyStep

1. Check the accessories:

Check if the accessories of S12D are same as accessory list or accessory picture.

2. Install the female banana sockets and switch:

Please put the female banana sockets and rocker switch on the corresponding position of back board, the red female banana socket is positive electrode and the black female banana socket is negative electrode. Screw the fixing screws.



1. Connect cables

Use cables to connect switch and female banana sockets, and tighten with nuts, the wiring is completed, you can see the final connection below:



1. Connect the terminals, you can connect the U-shaped plug directly to the green terminal of RD6012/RD6012-W, and you need to cut off one side of U-shaped plug and connect them to the green terminal of RD6006/RD6006-W.



5. Install the RD power supply: install the power supply on the front, and insert the green terminal to the power supply, and then connect the external temperature sensor.



6. Use 12V/1A DC power source to power on the RD series power supply, check if the connection succeeds (check the wiring before power on)
7. Install the upper board: install the upper board on lower board, and use screws to fix it.



8. There are four Non-slip mats, please use screws to fix them.

