

# RD6006W power supply

One of the aspects that led me to choose this very good power supply (see [https://rdtech.en.alibaba.com/product/62369018677-814954340/RD\\_RD6006W\\_USB\\_WiFi\\_DC\\_DC\\_Voltage\\_current\\_Step\\_down\\_adjustable\\_Power\\_Supply\\_module\\_buck\\_Voltage\\_converter\\_voltmeter\\_60V\\_6A.html](https://rdtech.en.alibaba.com/product/62369018677-814954340/RD_RD6006W_USB_WiFi_DC_DC_Voltage_current_Step_down_adjustable_Power_Supply_module_buck_Voltage_converter_voltmeter_60V_6A.html)) is the possibility of connection and control via USB / WIFI. My final goal is to obtain an 'intelligent' system for long operations, with graphics and automatism (example: charge and discharge cycles for test of rechargeable batteries).

Of course I purchased the whole kit: RD6006W + S-400W power supply + container, to be assembled (tot. € 134.97). ( <https://www.banggood.com/RD6006RD6006-W-Digital-Control-Switch-Adjustable-Power-Supply-DC-Stabilized-Power-Adapter-Buck-Module-Monitoring-Power-Supply-p-1587151.html> )

## Assembly notes

The original assembly documentation is complete, the version I used is:

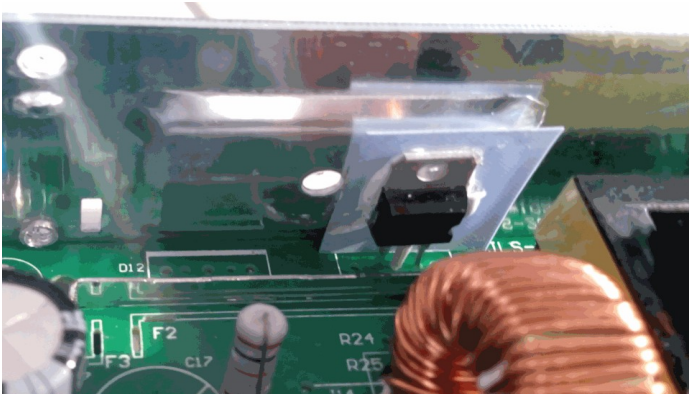
File 20191024043814assemblyinstruction10.23.pdf.

*Remarks:*

- 1.The package is missing the 3-pole cable for 220V - Fortunately I had one.
- 2.The two screws 'for socket 220' are not 3M and were without nut: I replaced them with other 3M with washer.

*Only problem:*

The "Switching Power Supply S-400W" power supply sounded like as there was a detached component inside, if shaken. When I opened it I found the pressure spring of a semiconductor free in the interior instead of being screwed on its side (vibrations in transport?).



I used a 3M screw (the original was lost) and I added a nut for greater security.



This solution allows you to use the thermal probe (for example, with a rechargeable battery) even if there is no suitable output on the front

## Software Installation Notes

### Android app (6.0) + WIFI

In Google Play I found two applications, 'RD SERIES' and 'RD6006-W' which seem identical. I used the second one (v. 1.0.3) .

*WIFI connecting instructions are unclear.*



The first time, after having set the option WIFI in the RD6006 menu, and saved (by pressing the button 2 times) you **need turn-off** the **RD6006** .

Only at turn-on then does the pop-up shown on RD6006 appear:

Activate the menu in the App , and select '**network distribution**' - Use the network password and the ID shown in the RD6006 (**Address**) menu in the App.

Only now you can give the **CONNECT** command from the App.

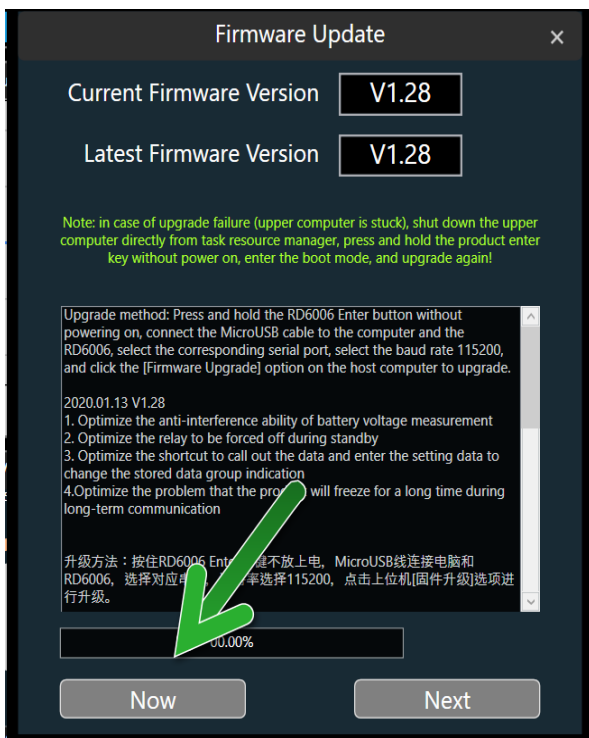
The next power-on is completely automatic, just give the command **CONNECT** in the App.

To change and use USB, you must first **DISCONNECT** on the App. and then change '**Interface**' in the RD6006 menu.

### PC.WIN10: Riden Power Supply Software (V. 1.0.0.5).

The software: has no installation, simply expand where you want (not in C: \ programs\_xx for writing problems).

The driver installation is also simple, it is the CH341SER.EXE file , present in RD6006-20191219T124844Z-001.zip . Just run it.



The first thing I did was to update the software: It is also very simple, because it's a new compressed installation. Download and expand.

Instead, I took some time to update the firmware because the instructions in the document "Constant Voltage and Constant Current DC Power Supply Instruction Model: RD6006 / RD6006-W Date: 2019.12.3" are obsolete and do not work.

The '**firmware update**' pop-up (v. 1.28) also reports out-of-date informations.

Actually it's very simple:

*You just need to press the 'Now' button in the pop-up which automatically performs all the activities: Restarts in 'boot mode', downloads and updates the firmware .*