

Online control instructions for DC power supply

This machine can be equipped with RS-232, RS-485, or USB transmission standards to communicate with the computer. The installation steps are as follows:

1. Connect the DC power supply to the PC using a communication cable.

Note: Factory machines are only shipped with USB communication cables, and RS-232 and RS-485 communication cables need to be purchased by customers themselves.

2. Place the PC and DC power supply in the startup state, and install the driver program and upper computer software of the DC power supply on the computer end.
3. Open the installed upper computer software to use it.



(RS-485 interface)



(RS-232/USB interface)

Download address of upper computer software and related materials :

<https://nice-power.com.cn/Download>

Commonly used values, click the corresponding button to directly output the corresponding value

Only models with RS-485 functionality require setting addresses

Communication connection or disconnection button between upper computer software and DC power supply

After installing the driver, refresh and select the corresponding COM port

Model Selection

Current adjustment knob

Voltage adjustment knob

Voltage value input

Current value input

Output control button

The screenshot shows the DC Power Supply V2.1.1 software interface. At the top, there are fields for Model (SPPS-C605R), COM (COM3), Baud Rate (9600), 485 Add (000), Sec Save Number (2), Save Path (D:\), and a Sec Save button (OFF). Below these are two large digital displays for Voltage (0.00 V) and Current (0.000 A). Underneath are two analog-style adjustment knobs for Voltage Adjust (0-61) and Current Adjust (0-5.1), each with a corresponding digital input field. A 'Click Link' button is located between the 485 Add field and the Sec Save Number field. A 'Common Values' table lists 10 models (M1-M10) with their respective voltage and current settings. To the right is a 'Programmed Output Test' table with columns for NO, VT(V), CR(A), Time(S), VOLT(V), and CURR(A). At the bottom left are two graphs: 'Voltage(V)' and 'Current(A)'. At the bottom right are programming controls including 'Initial row', 'End Row', 'Loop Count', 'Execute Row', 'Current Loop Count', 'Data File Name', and a 'Start' button. A 'Data Save' button (OFF) is also present.

Edit the required voltage, current value, and output time by serial number here, and the power supply can achieve programming output

Programming control project

Voltage output curve

Current output curve

Programming output start button, click the start button, and the power supply will output according to the programming steps and numerical values