Instruction

Features:

1. Use of high-quality materials, durable
2. Constant voltage and constant current CNC DC voltage stabilization power supply
3. Large screen display, full-view dedicated power LCD
4. Solid materials, input common-mode inductor, significantly reduce the impact of the input power supply wavenumber, to achieve low wavenumber output
5. Complete display, simple operation, stable performance

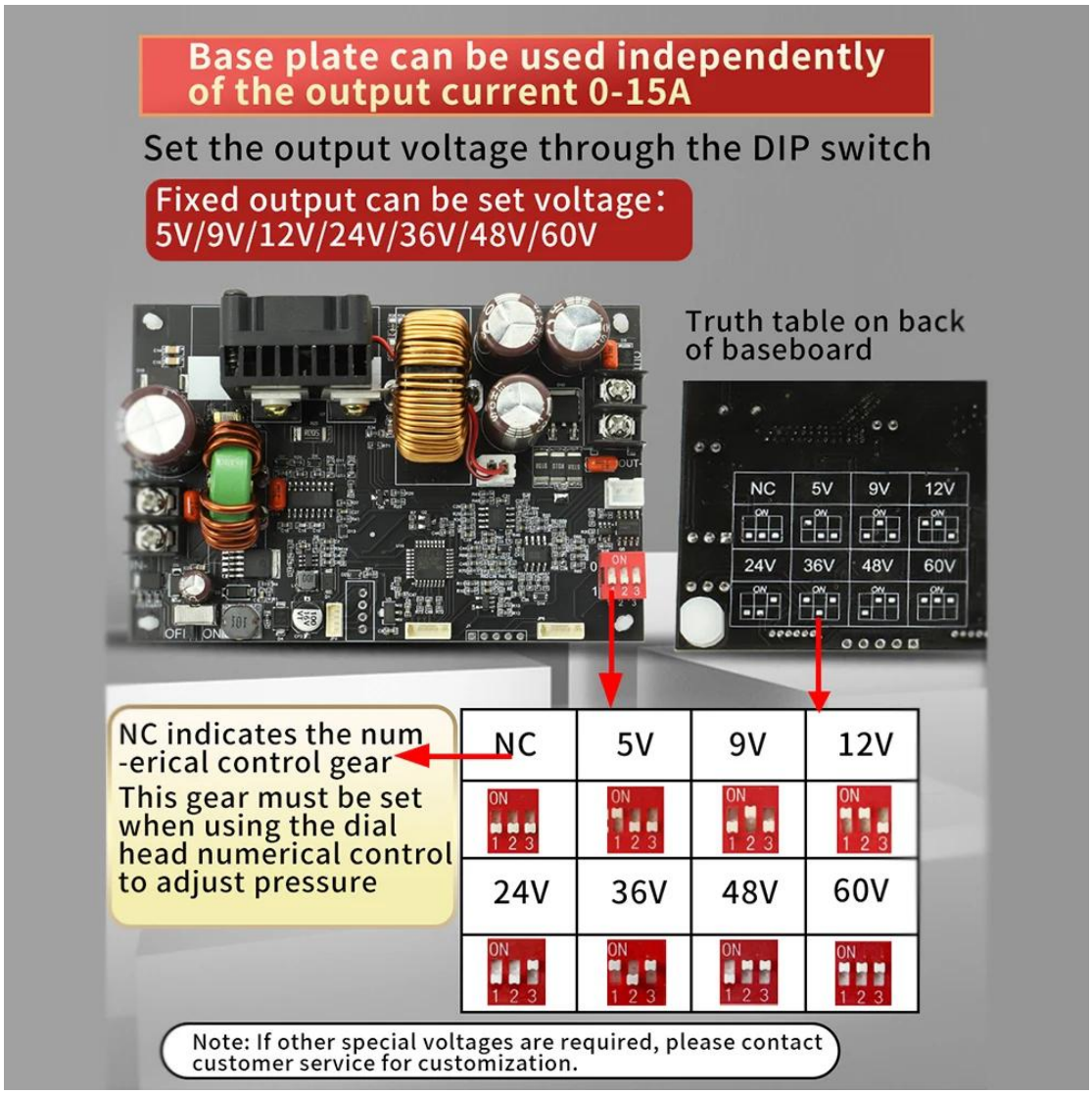
Parameters:

Input voltage: 6.0~70V
Output voltage: 0.0~60V
Output current: 0~15.00A
Output ripple typical value: 100mv VPP
Output power: 0~900W
Maximum output voltage: (input voltage + 1.1)-2
Input voltage measurement resolution: 0.01V
Output voltage setting measurement resolution: 0.01V
Current setting measurement resolution: 0.01A
Input voltage measurement accuracy: ±1% + 5 words
Output voltage setting and measurement accuracy: ±0.4% + 1 word
Output current setting and measurement accuracy: ±0.5% + 3 words
Cooling fan on:
current more than 2A
power more than 50W
temperature more than 50℃
Cooling fan on and off:
current less than 1.5A
power less than 45W
temperature less than 45° C
Protection mechanism.
External temperature protection: 0 - 110° C default off
Input over-voltage protection: 71V default
Input under-voltage protection: 4.8-71V adjustable default 4.8V
Output over-voltage protection: 0-65V default 65V
Output over-current protection: 0-16A default 16A
Output over power protection: 0-950W default 950W
Over temperature protection: 60 - 110° C Default 95° C

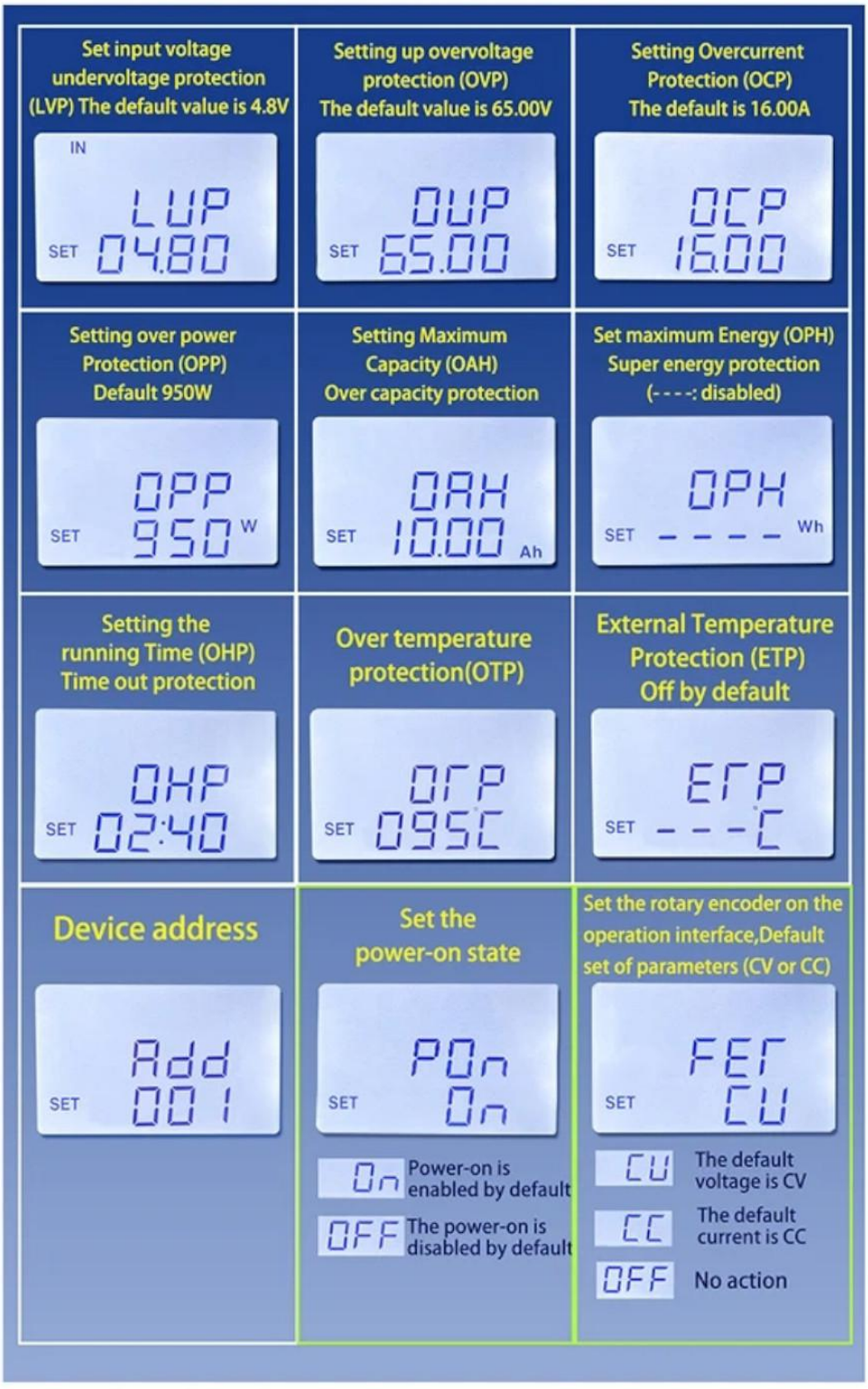
Timeout protection: 0 -100H adjustable Default off

Over capacity protection: 0~9999AH adjustable Default off

Super energy protection: 0~9999WH adjustable Default off



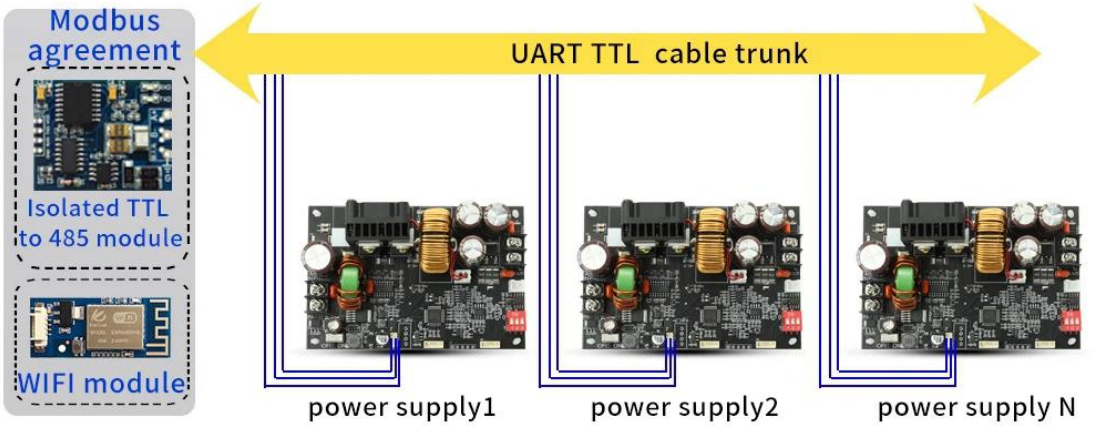
Press and hold SW the button for 2 seconds to enter the parameter setting screen



Low cost communication power supply

Through a TTL to 485 module or WIFI module, multi - machine remote control can be realized

A low cost communication control scheme can be realized with a single base plate



Instructions for Use

1. Set voltage and current:

In the operation interface, press V/A button to enter the setting voltage and current interface, LCD downlink display SET, CV flashes, set voltage selection and blink, then press SW or code potentiometer button to switch voltage selection, and adjust the set voltage through the rotary encoder; Press V/A button again, LCD downlink display CC flashes, set current bit selection and blink, press SW or code potentiometer button to switch current bit selection, adjust the set current through the rotary encoder; Press the V/A button again to exit and save the Settings to return to the operating interface; Long press the V/A button for 2 seconds or wait for 6 seconds without any key operation. Then the system will automatically exit and save the Settings, and return to the operation interface.

2.Quick setting of voltage or current:

In the parameter setting interface, set parameter FET to CV or CC, rotate the encoder in the operation interface, then enter the setting voltage and current interface, rotary encoder, quickly set the voltage or current.

3.Setting Parameters:

3.1 On the running screen, hold down SW for 2 seconds to enter the parameter setting screen.

3.2 Press SW to switch the parameters to be set, press the encoder button to switch the bit selection, rotate the encoder and adjust the parameters;

3.3 ON the interface of Maximum Capacity (OAH)/Maximum Power (OPH)/-Maximum Running Time (OHP), press the "ON/OFF" ⏻ button to enable or disable the corresponding function. If the function is disabled, "----" will be displayed.

3.4 ON the Maximum Capacity (OAH)/Maximum Energy (OPH) screen, hold down ON/OFF ⏻ Button selection capacity range (9.999Ah/ 99.999AH /9999Ah /9999Ah,9.999Wh/ 99.999WH /9999Wh);

3.5 After the parameter setting is complete, hold down the SW button for 2 seconds to exit the setting screen. The Settings are automatically saved

4.Input and output voltage display:

Press the SW button on the running interface to switch the input and output voltage display.

5. View power (W)/ capacity (Ah)/ energy (Wh)/ time (h) :

In the operation interface, press the encoder button to switch the display power (W)/ capacity (Ah)/ energy (Wh)/ time (h).

6.Locking Function:

In the operation interface, long press the encoder button for 2 seconds to lock the voltage and current set to prevent misoperation; After locking, long press the encoder button for 2 seconds to unlock.

7.Data group function

This product has 10 sets of data from Cd0 to Cd9 (among which Cd8=12V and Cd=24V cannot be adjusted), and the data is saved in Cd0 by default. The specific methods for checking and modifying are as follows:

7.1. Long press V/A key for 2 seconds to enter the data group call out interface, the upper two lines display the set voltage value CV and set current value CC of the data group, and the number of the downstream display group is CD1-CD9;

7.2. Press V/A key to switch between setting voltage CV, setting current CC and data set serial number Cd, and modify parameter value through encoder;

7.3. After confirmation of the data group, long press V/A to pull out the data group and return to the operation interface;

8. Details of other functions:

8.1 Capacity/Energy/running time Statistics:

After the power is turned ON (ON), the statistics will be automatically started. After the power is turned OFF (OFF), the value of the previous state will be displayed. After the power is turned on again (ON), the record will be automatically restarted. ON the corresponding screen, press and hold ON/OFF  Key 2 seconds will automatically clear the corresponding data.

8.2 Setting the Maximum capacity, Maximum Energy, and Maximum Running Time

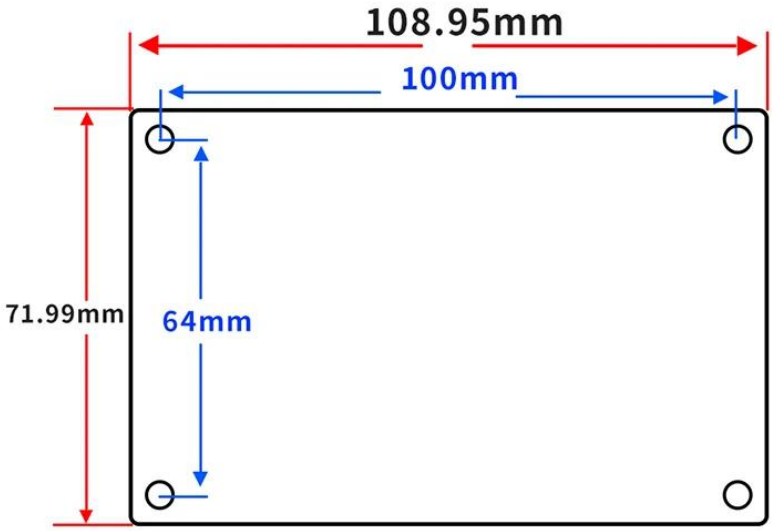
8.2.1. Setting the Maximum capacity (OAH)/energy (OPH) : When the OAH/OPH function is started and the statistical capacity/energy is higher than the set maximum capacity/energy, the power supply automatically shuts down the output and flashes "OAH" /'OPH'; After the alarm is removed, the capacity/energy statistics will be cleared automatically.

8.2.2. Setting the Maximum Discharge Time (OHP) : After the OHP function is enabled, when the running time of the power supply is greater than the set maximum discharge time, the power output will be automatically turned off and "OHP" will blink. After the OHP alarm is lifted, the time statistics will be cleared automatically.

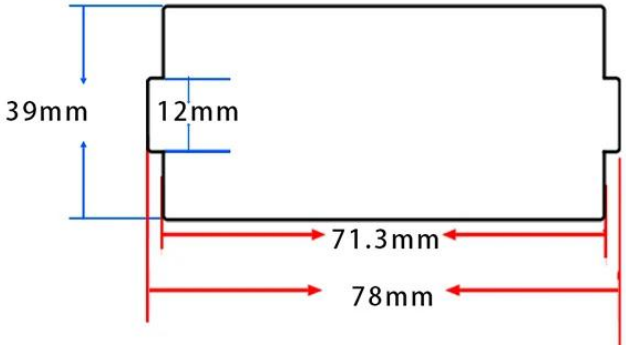
This function can achieve a good quantitative/timed power supply.

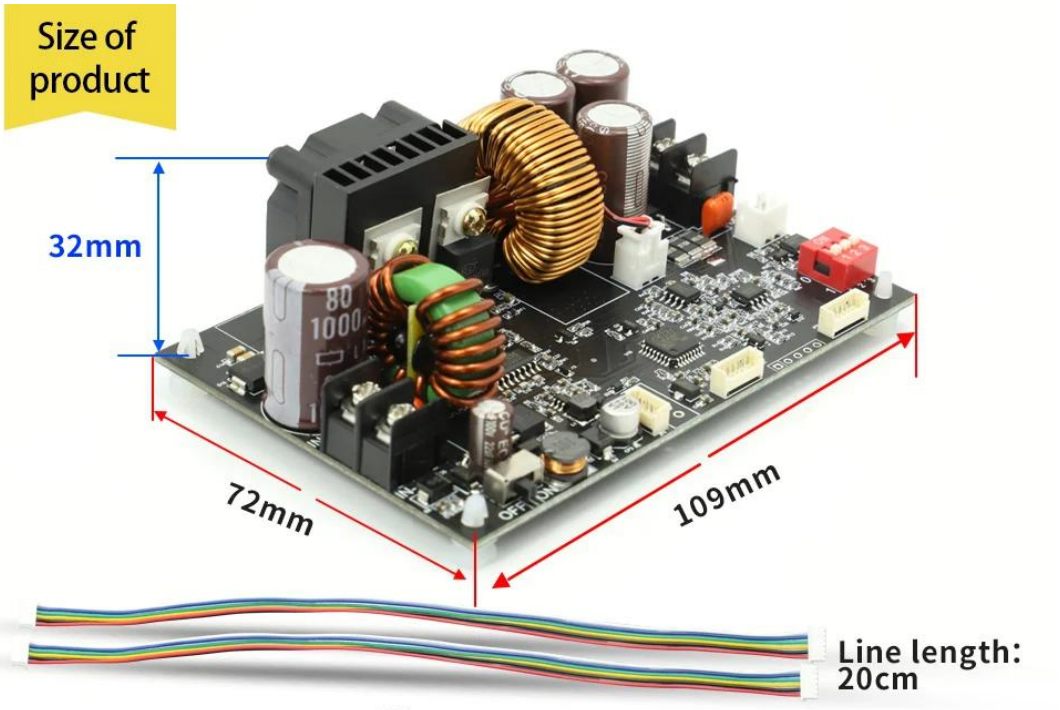
Note: When OAP/OPH and OHP functions are not enabled, the power supply will automatically record the capacity/energy and running time. After OAH/OPH and OHP functions are enabled, the power supply will automatically shut down the output after reaching the set value. After OHP function is enabled, the running time of power supply is countdown mode;

Installation opening size diagram



The suggested opening size is shown below:





Product Weight:
Bottom plate 149g+
head module 43g
+ 2g x 2= 196g in total