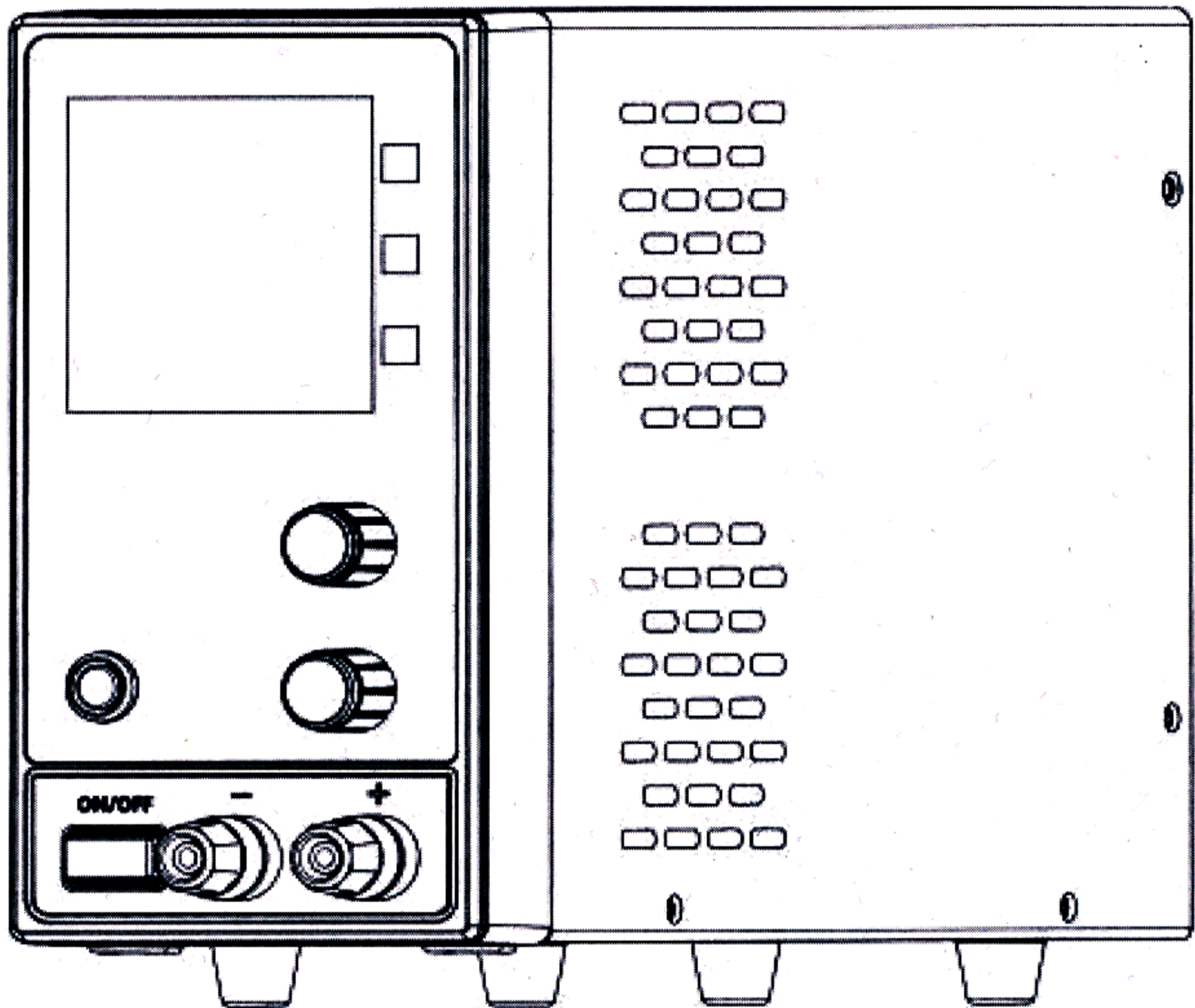


# MINI DC REGULATED POWER SUPPLY



**Product manual**



## 二、Product description

Specification	Output Voltage Range (0-Vmax)	Output Current Range (0-Cmax)
30V/5A	0-32V	0-5A
30V/10A	0-32V	0-10A

## 三、Specification

### 1. Rated Operating Conditions

Working voltage: check the body label

Working conditions: temperature 0 ~ 40 °C, relative humidity: ≤80% RH

Storage conditions: temperature -20 ~ 60 °C relative humidity: ≤80% RH

The whole temperature range to ensure accuracy: 23 °C ± 5 °C

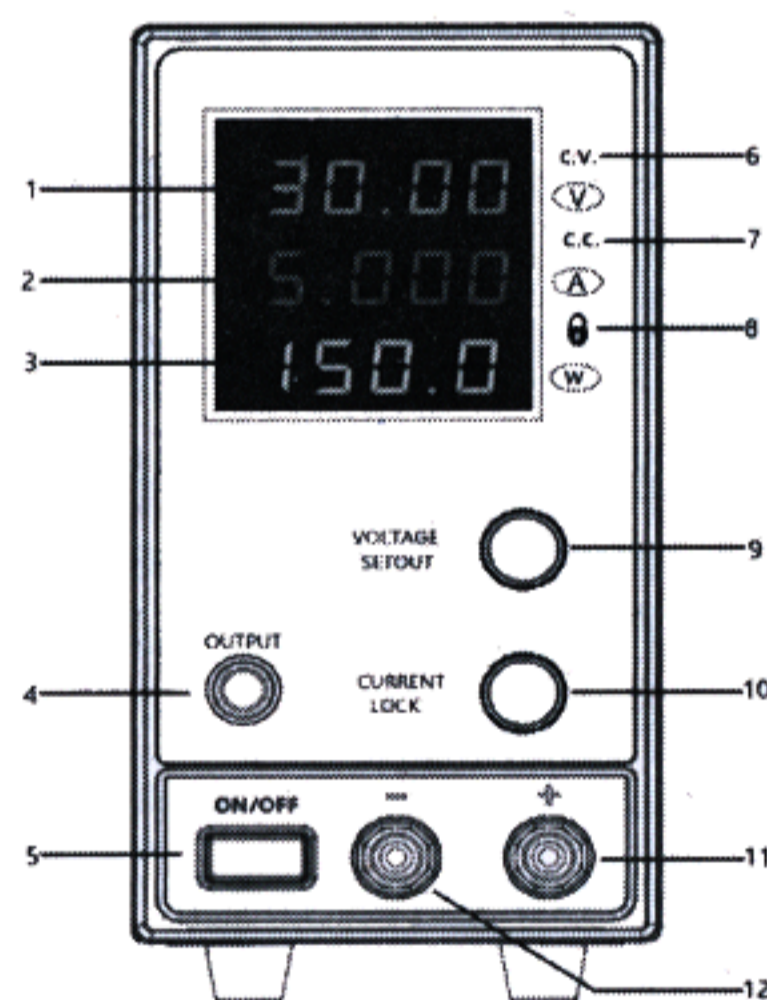
### 2. Specification

Voltage	
Load Regulation	≤0.1%+5mV
Power Regulation	≤0.01%+5mV
Set Resolution	10mV
Set Accuracy	≤0.1%±1 digits
Readback Resolution	10mV
Readback Accuracy	≤0.1%±1 digits
Ripple	10mVrms

Current	
Load Regulation	≤0.2%+3mA
Power Regulation	≤0.2%+3mA
Set Resolution	1mA
Set Accuracy	≤0.2%±3mA
Readback Resolution	1mA
Readback Accuracy	≤0.2%±3digits
Ripple	8mVrms
OVP	Vmax+2V
Maximum Voltage	Vmax±0.2%
OCP	Cmax+1A
Maximum Current	Cmax±0.2%
Working Conditions	Temperature 0 ~ 40 °C Relative humidity: ≤80% RH
Storage Conditions	Temperature -20 ~ 60 °C Relative humidity: ≤80% RH
Cooling Method	Fan cooling
Weight	1.95KG
Size (bare)	80*150*230 (MM)

## 四、Panel Features

### 1. Front Panel



- (1) Voltage value display meter
- (2) Current value display meter
- (3) Power value display meter
- (4) Switch button for Output
- (5) Power switch
- (6) CV stable voltage indicator, which is on under stable voltage working status
- (7) CC stable current indicator, which is on under stable current working status
- (8) Key lock indicator. Long press of the current value knob to unlock / lock the button, with the indicator lights up to lock. Only the OUTPUT button works when the button is locked.
- (9) Voltage setout knob for output stable voltage value : Press the knob to enter the setting mode. As the digits flash, rotate



the knob clockwise to increase the output voltage, and counterclockwise to decrease the output voltage. Pressing the knob will change the digit bit of flashing digits. Long press of the knob to store the state of switch on/off, which will take effect at the next boot.

(10) Current lock for output stable current value: Press the knob to enter the setting mode. As the digits flash, rotate the knob clockwise to increase the output current, and counterclockwise to decrease the output current. Long press of the knob will change the digit bit of flashing digits. Press and hold the knob to unlock / lock the keys.

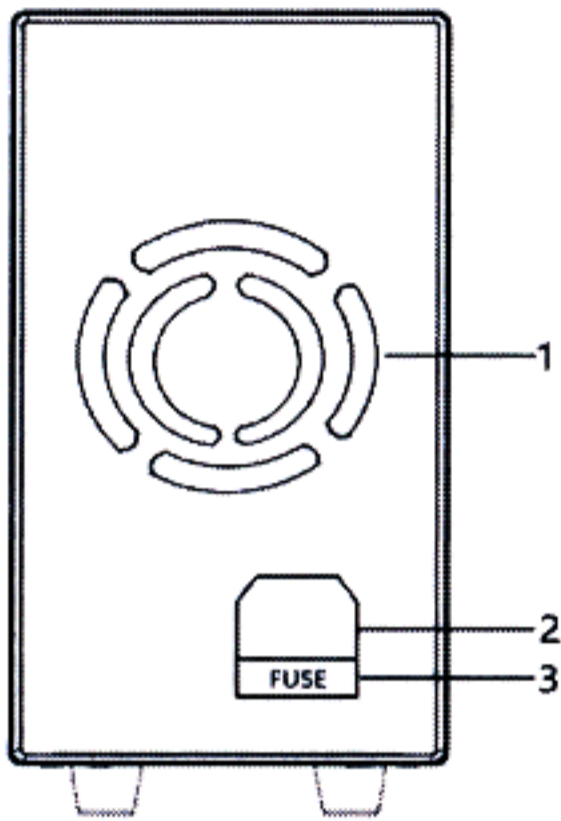
(11) Output terminal positive (red)

(12) Output terminal negative (black)

3. When the stable current source is used, the power supply will automatically switch to the stable voltage working state as the output current is less than the desired value with the CV light on for voltage protection. The load should be checked or the maximum voltage should be increased in this situation (to adjust VOLTAGE clockwise).

4. Please contact your dealer or our company if the fault is serious and cannot be resolved.

## 2. Rear Panel



(1) Cooling fan

(2) Input socket for supply voltage

(3) Fuse holder

## 五、 Instructions for use and protective measures

1. Keep the switch off. Connect the power cable of the power supply. Ensure the L end of the power cable plug connected to the live wire of the power socket and the grounding wire connected to the ground.

2. The power supply must be grounded when in use.

3. Please attach importance to good ventilation when in use. Keep a 10cm gap with other articles from four sides of the power supply. Do not expose the power supply to dusty, corrosive gas and other harmful substances.

4. Specification of the power supply should be measured after 15 minutes of its "warming-up".

5. Ensure the transfer switch for voltage input consistent with the mains electricity prior to power connection, otherwise this will lead to serious failure.

## 六、 Packing List

- 1 \* Mini Regulated DC Power Supply
- 1 \* Power Cable
- 1 \* User's Manual
- 1 \* Testing Line

## 七、 Maintenance

1. With normal power supply voltage, the failure of digital display after the power is on may be due to the burning out of the fuse or other faults. Then replace the fuse or ask for professional's help after disconnecting the power switch and unplugging the power cable.

2. When the stable voltage source is used, the power supply will automatically switch to the stable current working state as the output voltage is less than the desired value with the CC light on for current protection. The load should be checked or the maximum current should be increased in this situation (to adjust CURRENT clockwise).