

5.1. This power supply USES the air switch to do the input flow protection, so when the power switch (20) is tripped, the original should be found out. After troubleshooting, the air switch can be turned on. If the air switch is damaged, the same specification should be replaced.

To avoid affecting normal use or appearance.

5.2. Regularly dust the power supply, wipe the shell with dry cloth, and do not wipe with organic solvent. Power internal mining

Use high pressure dry air to blow into the dust from the vent hole. Do not open the outer shell to avoid accidents.

5.3. If the power supply is not used for a long time, the plug should be removed and the power supply should be completely cut off.

Direct sunlight, 30 minutes every six months, to power the internal capacitance.

5.4. There are high voltage lines in the machine. Non-professional personnel are strictly forbidden to open the shell for maintenance, so as to avoid accidents!

Reverse Voltage Protection

The power supply is equipped with reverse polarity protection function. If the polarity of the load (e.g., a charged battery) is reversed when connecting with the power supply, the indicator light (15) will light up, and the power supply will enter into reverse-voltage protection and stop working. When this happens, the load should be immediately removed and reconnected with correct polarity.

Packing list

Power supply 1pcs

User manual 1pcs

Summary

This series of dc stabilized voltage supply is single-channel dc power output, LED digital display, and display voltage and current. This power supply is a switch type voltage stabilized power supply, with high precision, high efficiency, low weight, energy-saving and environmental protection. The protection function is perfect, has the over pressure (adjustable), over temperature, overload, the short circuit limit current protection multiple protection function, can effectively protect your product and the power supply itself not to be damaged. Steady pressure, steady flow automatic conversion, can be used as a stabilizing power supply, can also be used for steady flow power. It is widely used in electrolytic electroplating, motor, PCB board manufacturing, battery charging and so on. It is the first choice power supply for factories, universities, scientific research and maintenance.

Specification

2.1. Rated working conditions:

Input voltage: AC220V + 10% 50Hz (AC110V input or AC110V/AC220V manual switching)

Working environment: - 10 °C ~ + 40 °C relative humidity < 80%

Storage conditions: - 20 °C ~ + 70 °C relative humidity < 70%

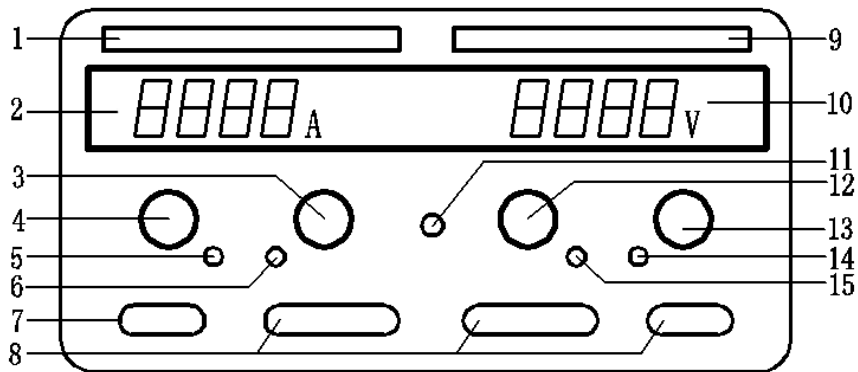
2.2. Power output parameters:

Voltage stability: less than 0.5%.

Current stability: less than 0.5%.

Load stability: less than 0.5%.

Ripple noise: less than 1% (effective value)



- (1) product trademark: product brand and registered trademark content.
- (2) current display: used to display current value, unit: ampere (A).
- (3) coarse adjustment of current: used for rough adjustment of steady current value, which can be adjusted with (4).
- (4) current fine adjustment: for fine adjustment of steady current value, it can be adjusted with (3).
- (5) CC indicator light: when the light is on, it indicates that the power supply is in a steady state.
- (6) OV indicator light: when this light is on, it indicates that the power supply is in over voltage protection state, with no voltage output.
- (7) power switch: used to turn on or off power.Restart power when over voltage protection.
- (8) front-end output: depending on the model, the terminal has output or no output terminals.
- (9) power supply model: product type and model content.
- (10) voltage display: used to display current voltage value, unit: volt (V).
- (11) over voltage setting: used to set the over voltage protection value.Adjust with a small screwdriver.
- (12) voltage fine adjustment: it is used for fine regulating voltage voltage, which can be adjusted with (13).

In the over voltage protection state, the power supply stops output.Remove over pressure protection: set the over pressure clockwise.

Turn the knob to the maximum, turn off the power switch, about 3 seconds later, the O.V indicator light (6) goes out, the LED is not displayed, heavy.

Turn on the power switch (7), when the indicator light is switched to C.C (5) or C.V (14), and then normal.

You can do it in order.

4.3. Precautions:

4.3.1. The output voltage of the power supply must be lower than the set value of the over voltage protection to start the power supply.

4.3.2. The input and output lines should be large enough to avoid accidents due to high current heating.Regular check wiring

Whether the terminal is screwed tightly, so as not to be loose due to the connection terminal, the contact resistance is very hot and damaged terminal.

4.3.3. The power supply adopts intelligent fan, when the internal temperature is higher than 45 °C, the cooling fan begins to spin.When the electric

Source temperature below 40 °C , fan stop running.When the machine temperature higher than 75 °C, power over temperature protection,

Power supply will stop output, when the internal temperature below 70 °C output power supply automatic recovery.

4.3.4. The power shutdown has a 2-3 second buffer, and the shutdown has a 1-2 second delay.Do not turn the power off frequently,

The time interval should be at least 10 seconds, so as not to reduce the power life.

4.3.5. To reduce the ripple, a reliable connection is made to the correct pole (16)or negative electrode (17) and the grounding terminal (18).

Maintenance

After the power is turned off, the LED is not displayed, and the power switch is turned on again. At this time, the power supply is started, and the voltage stabilizer indicator is on.

Node voltage to the desired value, connection load can be used. Note: the output voltage must be lower than the over voltage protection set value.

Ability to complete power restart!

4.2.5. Example of over voltage protection setting: for example, the power supply should be set to 18.8V protection, and the current should be coarse (3).

Set (11) knob clockwise to the maximum, turn on the power switch (7), adjust the voltage coarse (13),

The voltage fine tune (12) knob makes the voltage display (10) to 18.8v, and then slowly adjust the over pressure protection against the counterclockwise.

Protect the knob (11) until the power is fully protected, the over pressure indicator is on, and then the power is turned off.

Close (7), counterclockwise adjust voltage coarse (13) voltage fine tune (12) to minimum, about 3 seconds after over pressure.

The lamp is extinguished, the LED is not displayed, and then the power switch is turned on (7), while the stable indicator light is on (14).

Start, adjust the voltage coarse adjustment (13) voltage fine tune (12) knob, make the voltage between 0-18.7V any value, connect.

The load power supply can work normally. When a factor voltage is higher than 18.8V, the power over voltage protection, electricity.

The source stops the output to protect the load from being damaged. After setting the over voltage protection value, the over pressure setting knob (11)

Cannot be adjusted, so as not to change the over pressure protection value, in case of premature protection or over pressure value protection.

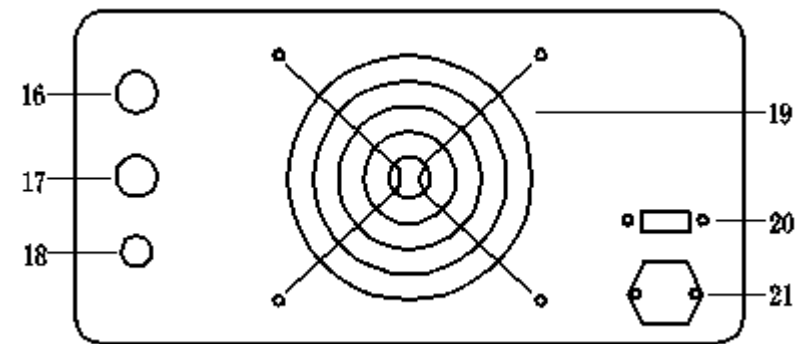
4.2.6. Over voltage protection relief: when the power supply is in over voltage protection, the O.V indicator (6) is on, indicating the power supply.

(13) coarse voltage adjustment: used for rough adjustment of voltage value, which can be adjusted with (12).

(14) CV indicator light: when this light is on, it indicates that the power supply is in stable working condition.

(15) OT indicator light: when this light is on, it indicates that the power supply is in the over-temperature protection state, and there is no voltage output.

Back panel



(16) positive terminal output: the power output is positive.

(17) negative terminal output: the power output is negative.

(18) grounding terminal: the power grounding terminal is connected to the power supply enclosure and connected with the input safety ground wire.

(19) cooling fan: used for cooling and cooling of power supply. The fan adopts intelligent temperature control, when the internal temperature is high.

At 45 °C, cooling fan begins to spin; When power internal temperature below 40 °C, stop rotating fan.

Note: the inlet and outlet should have more than 10cm of heat dissipation space, so as to avoid temperature protection and affect normal use.

(20) 110V/220V switch: for AC110V input or AC220V input switch. Do not move at will.

This switch, input voltage and switching voltage must be consistent, otherwise the power will be damaged.(the switch is not taken by default.

It can be customized if necessary.

(21) power input interface: the upper part is safety ground wire, zero line, fire line input, the lower part is fuse, unplug.

The power plug can be used to pry out the replacement fuse.Note: can only replace the same specification fuse!

Instructions:

4.1. Pre-power preparation:

4.1.1. Confirm whether the input voltage is within the nominal range (AC 198-242V 50Hz).AC110 60 Hz input

There will be special notes.

4.1.2 around the power supply should have at least 10 cm above the heat dissipation space, working environment temperature is not higher than 40 °C, humidity

< 80%, cannot be used in places with acid and alkali gas and excessive dust.Prevent rain, sun, and violent vibration.

Site use.

4.2. Operation method:

4.2.1. Connect the power cord and turn on the power switch (7).At this point, the indicator light up, LED display.

4.2.2. Stable pressure setting: set the over pressure (11), the current is coarse (3), and the current is fine (4).

The needle is adjusted to the maximum, adjustable voltage coarse (13), voltage fine tuning (12) knob to the required voltage value, connecting the load.

To the positive terminal output (16) and the negative terminal output (17), it can be used normally.At this point, the power supply is working in a stable

state.

The stable indicator light, C.V (14), is bright, that is, the voltage is constant, and the current varies with the load.

4.2.3. Steady flow setting: adjust the over pressure setting (11) knob clockwise to the maximum and adjust the voltage coarse (13).

The button makes the voltage output 3-5v arbitrary value, then the current coarse (3) and fine tuning (4) knob turn counterclockwise to the most.

Small, with wire short circuit output correct pole (16) and negative electrode (17), regulating current coarse adjustment (3) and fine tuning (4)

Knob knob to desired current value.Remove short circuit wire, adjust voltage coarse (13) and fine tuning (12) knob to.

The required voltage value, the connection load to the output correct pole (16), negative electrode (17), can be used normally.The electricity

The source should work in a steady flow state, and the steady flow indicator, C.C (5), is on, that is, the current is constant and the voltage varies with the load.

Change.(if the steady flow indicator, C.C (5) is not on, the power supply is not working in the steady state, which should be increased.

Load or change the steady flow value to allow the power to work in a steady state.It is normal to have a slight abnormality in the short circuit.

4.2.4. Over voltage protection setting: first, the over pressure setting (11), the current coarse adjustment (3) knob clockwise to the maximum,

Adjust the voltage coarse (13) and fine tuning (12) knob to the required protective voltage value, and then slowly turn it over.

Press the button (11) until the power supply is exactly protected, when the over pressure indicator light (6) lights up and the power supply stops.

And out the other.Turn off the power switch (7), adjust the small voltage in the counterclockwise (13) and fine tuning (12) knob, about 3 seconds.