

PS3020 0-30V/0-20A

Switching power supply

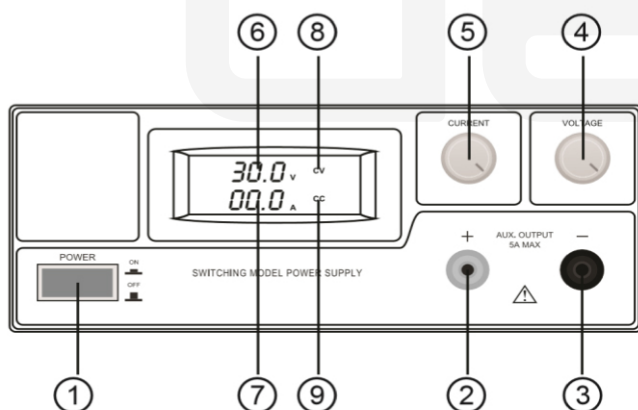
PS3020 switching power supply has many features, such as high efficiency, compact size, light weight, good reliability. In addition, this power supply also uses a low-ripple design. The ripple and noise is very close to a linear ripple.

Main technical specifications

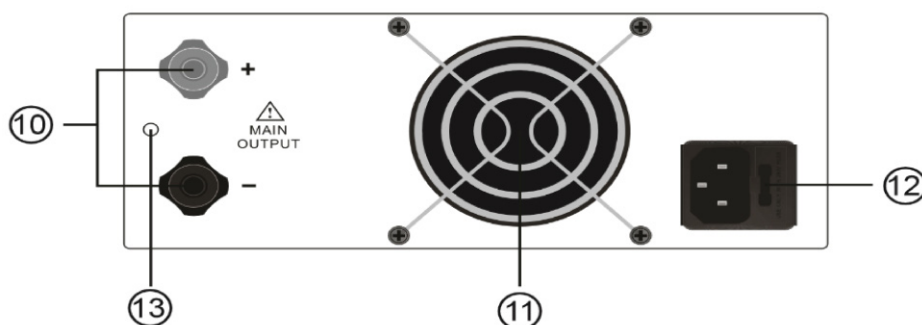
- 1) Output
 - variable output voltage: 0-30V DC
 - variable output current: 0-20A
- 2) Ripple & Noise
 - ripple & noise (peak-peak) voltage: 100mV
- 3) Meter Type & Accuracy
 - voltage meter: 3 digit LCD display $\pm 0.2\%$ +3 counts
 - current meter: 3 digit LCD display $\pm 0.2\%$ +3 counts
 - input voltage: AC 230V ~ 50Hz
 - protections: overload, over temperature
- 4) Others
 - dimensions (w x h x d): 336 x 87 x 214mm
 - weight: 2,9kg
 - operation environment: temperature 0 ~ 40°C
 - relative humidity: no more than 90% RV
 - atmospheric pressure: 86kPa ~ 104kPa

Operating method

- 1) The role of the control parts on the panel



- 1) Power switch:
„ON” position: turned on,
„OFF” position: turn off
- 2) The positive output
- 3) The negative output
- 4) Voltage adjustment knob
- 5) Current adjustment knob
- 6) Voltage indication
- 7) Current indication
- 8) Regulated voltage indication
- 9) Current regulator indication



- 10) Output terminal: 20A/30A max;
red positive; black negative
- 11) Cooling fan
- 12) Fuse
- 13) Grounding terminal

Operating method

- 1) Connect a load (electrical equipment, etc.) to the power supply output, and pay attention to the polarity. Do not reverse the polarity.
- 2) Plug AC input power cord into a suitable AC power jack.
- 3) Place the power switch to "ON" position, the power indicator light, and the power has been turned on.
- 4) Pay attention that the load current should be less than the rated output current of the power supply, 80% of rated output current is recommended to be the maximum current.

Notice

- 1) Must use accurate and reliable connection line to connect to the output.
- 2) Do not block the heat vents or put the power supply in a closed hot work environment. Adequate ventilation is important.
- 3) Do not expose the power supply in the rain or moisture.
- 4) If the power supply fails, let the professional maintenance staff to inspect and repair. Do not open the case on their own.
Internal high-voltage is dangerous!

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