JESVERTY

SPS1540H/HP	0-15V 0-40A
SPS6010H/HP	0-60V 0-10A
SPS3020H/HP	0-30V 0-20A
SPS3030H/HP	0-30V 0-30A
SPS6015H/HP	0-60V 0-15A
SPS1560H/HP	0-15V 0-60A

Switching Power Supply

(9) Over-current protection: Press the OCP button to enter the OCP mode, press the CURRENT knob and turn the knob clockwise, the display "OFF" changes to "ON", press and turn the VOLTAGE knob to adjust the displayed value to the required OCP trip point, press the OCP button again to return to the main interface, the OCP indicator lights up and the setting is successful. In this case, if the power supply detects a short circuit or over-current, the power supply will turn off the output to protect the load device and the OCP indicator will flash; if you do not need OCP protection, press the OCP button to enter OCP mode, press and turn the CURRENT knob clockwise, the display "ON" changes to "OFF", press the OCP button again to return to the main interface, the OCP indicator goes out to indicate successful setting.

1. Operating method

1-1 Connect a load(electrical equipment, etc.) to the power supply output, and pay attention to the polarity .Do not reverse the polarity.

1-2 Plug AC input power cord into a suitable AC power jack.

1-3 Place the power switch to"ON" position, the power indicator light , and the power has been turned on.

1-4 Pay attaition 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.

2. Notice

2-1 Must use accurate and reliable connection line to connect to the output.

2-2 Do not block the heat vents or put the power supply in a closed hot work environment. Adequate ventilation is important.

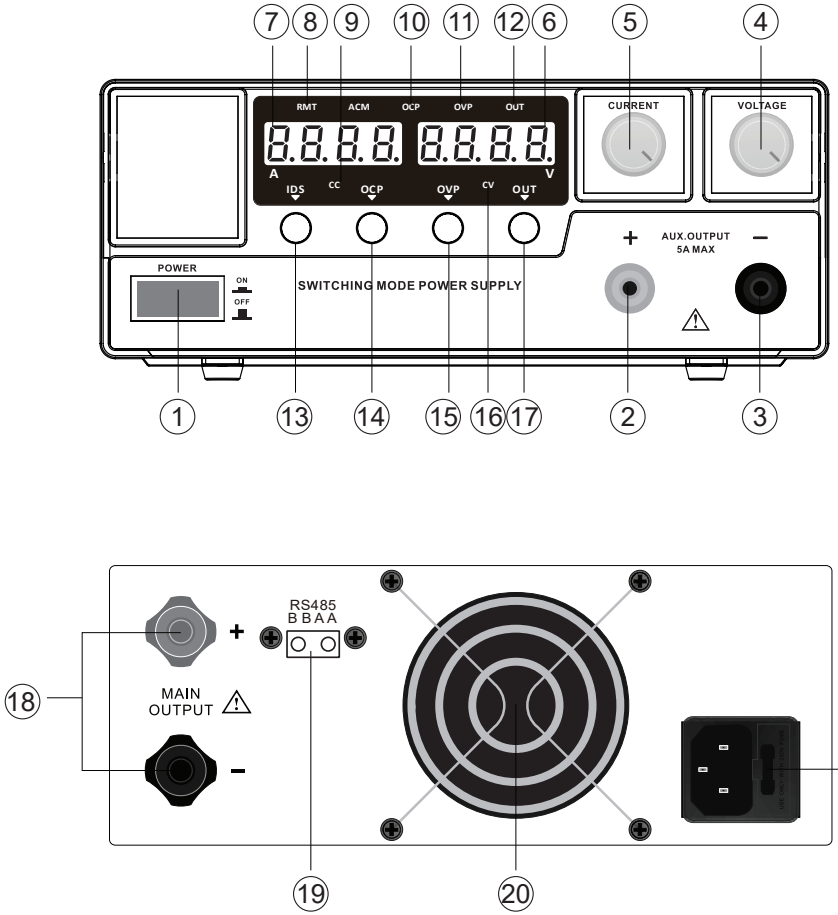
2-3 Do not expose the power supply in the rain or moisture.

2-4 If the power supply fails,let the professional maintenance staff to inspect and repair. Do not open the case on their own. Internal high- is voltage dangerous!

3 seconds after the voltage is set, the LED display stops flashing and the setting is saved.
(4) Connect the load to be tested to the power supply: Connect the positive polarity of the load to the positive output terminal of the power supply and the negative polarity of the load to the negative output terminal of the power supply. Note! Use load cables whose capacity is adequate for the power supply's rated output current. The allowable current of the load cable and its cross-sectional area should meet the equation of ≥1mm²/5A in electrical engineering, that is, at least 2mm² for 10A and at least 6mm² for 30A. The connecting cables between the load and the power supply should be as short as possible, generally <1.5m, and it is better to twist the positive and negative cables together to reduce the wiring inductance, as shown in the figure below. The connection to the load and the power output terminals must be tight, looseness will produce sparks, which may cause danger and will affect the service life of the power supply.
(5) Press the output button to turn on or turn off the power output.
(6) The safety output sockets on the front panel can only handle current of 5A(Max), and there is an over-current protector built inside.
*The specification of load regulation does not apply to this output socket.
(7) Communication setting button: Press the IDS button, the left display value shows the baud rate (range: 4800-230400b/s), and the right display value shows the device number (range: 0-9)
(8) Over-voltage protection: Press the OVP button to enter the OVP mode, press the CURRENT knob and turn the knob clockwise, the display "OFF" changes to "ON", press and turn the VOLTAGE knob to adjust the displayed value to the required OVP trip point, press the OVP button again to return to the main interface, the OVP indicator lights up and the setting is successful. In this case, if the power supply detects that the voltage exceeds the trip point, the power supply will turn off the output to protect the load device and the OVP indicator will flash; if you do not need OVP protection, press the OVP button to enter OVP mode, press and turn the CURRENT knob clockwise, the display "ON" changes to "OFF", press the OVP button again to return to the main interface, the OVP indicator goes out to indicate successful setting.

Operating method

1. The role of the control parts on the panel



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) communication indication
(9) CC（constant current）indication
(10) OCP indication
(11) OVP indication
(12) Output indication
(13) Communication settings button
(14) OCP button
(15) OVP button
(16) CV（constant voltage）indication
(17) Output button
(18) High current positive and negative output terminals
(19) RS845 communication interface
(20) Cooling fan
(21) Power socket with fuse box

SPSXXXX 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:

Models	SPS1540H/HP	SPS6010H/HP	SPS3020H/HP	SPS3030H/HP	SPS6015H/HP	SPS1560H/HP	
Output							
Variable Output Voltage	0 - 15V	0 - 60V	0 - 30V	0 - 30V	0 - 60V	0 - 15V	
Variable Output Current	0 - 40A	0 - 10A	0 - 20A	0 - 30A	0 - 15A	0 - 60A	
FUSE	T12A	T12A	T12A	T15A	T15A	T15A	
Ripple & Noise (peak-peak) Voltage	100mV	200mV	100mV	100mV	200mV	100mV	
Meter Type & Accuracy							
Voltage Meter	4 Digit LED Display ±0.2% +3counts						
Current Meter	4 Digit LED Display ±0.2% +3counts						
Input Voltage	110VAC 60Hz~						
Protections	Overload, Over Temperature						
Dimensions (WxHxD)	290x80x210 mm						
Weight	3 kgs						

Operation environment: Temperature 0～40℃
Relative humidity: no more than 90% RH
Atmospheric pressure: 86KPa～ 104 Kpa

4. Operation Instructions

(1) Before turning on the power, check that the input voltage is compatible and that the required voltage, current, and power of the load to be tested are within the specification range of the power supply.
(2) Press the POWER button to turn on the power. The main interface will display the voltage and current values that were set when the d evice was last powered off.
(3) Voltage and current setting: Press the VOLTAGE knob to set the voltage. The "digit" to be set flashes. Turn the knob clockwise to increase the value. Turn the knob counterclockwise to decrease the value. Press the encoder again to switch between digits. Wait for 3 seconds after the voltage is set, the LED display stops flashing and the setting is saved. Press the CURRENT knob to set the current the same way. The "digit" to be set flashes. Turn the knob clockwise to increase the value. Turn the knob counterclockwise to decrease the value. Press the encoder again to switch between digits. Wait for