

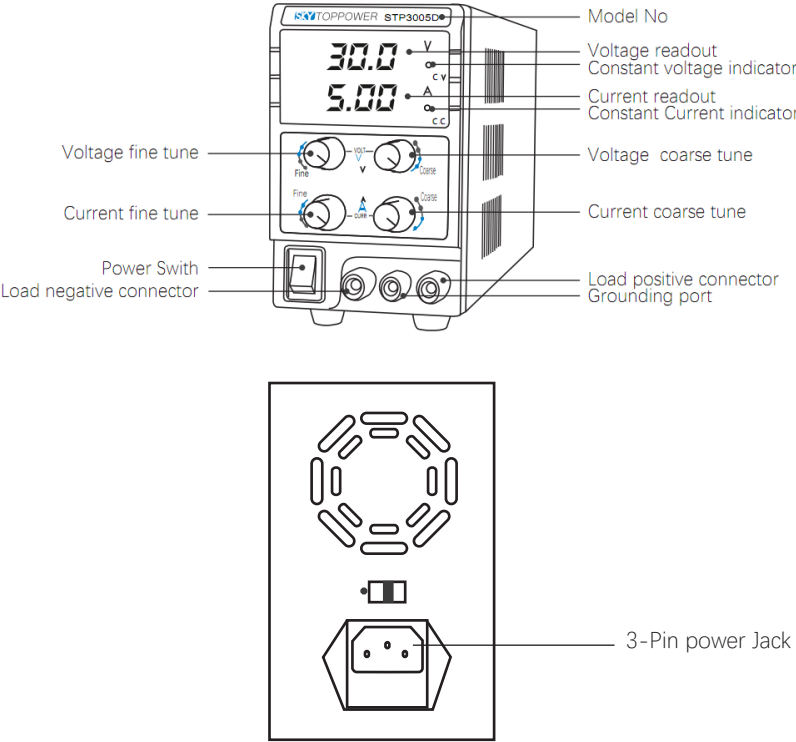
For Safety Use

You are kindly suggested to follow the tips below carefully when operate this unit

- 1) The device is intended for indoor use only.
- 2) Do not open to repair the device or it will void the warranty
- 3) Do not use the device in a damp environment
- 4) Keep the device away from heat or water magnetic field.
- 5) Keep the device and all loose parts (if any) away from children pets and unauthorized persons.
- 6) Dont sharply bend cut etend knot step on or pull the cord but on the plug when disconnecting the power cables.

Know The Device

SKY TopPower regulated power supply is a simple, accurate DC power source with full indicated power. It provides power source for factory maintenance, calibration positions, and can be integrated into test&equipment cabinet. It powers the DIY circuit in our work bench at home and is also a necessary tool for educational institute particularly for those involve electronics and telecommunications majorities.



Featues and Technical Specifications

a. Features:

- High as 80% power efficiency
- A secondary voltage stabilization circuit through MOS ensuring a superb voltage output
- Full angle protection include overload,overheating, Overvoltage, Short-circuit Protection etc.
- Small size as 3U high appropriately fit for work station or test equipment cabinet.

b. Technical Specifications

Model	STP3005D	STP3010D	STP6005D	PS2103	PS2110	PS2107	STP3005DH	STP3010DH	STP6005DH
Input features									
Input Voltage	220VAC ±10 % 50Hz								
Restore Conditions	Temperature: -10 ~ 70°C Relative Humidity: ≤85%								
Working Temperature	0 ~ 40°C								
Output features									
Output Voltage	0-30V	0-30V	0-60V	0-35V	0-35V	0-35V	0-30V	0-30V	0-60V
Output Current	0-5A	0-10A	0-5A	0-5A	0-10A	0-5A	0-5A	0-10A	0-5A
Voltage Regulation									
Regulation Rate	≤0.03% + 5mV								
Load Regulation rate	≤0.33%								
Ripple& Noise (peak to peak)	≤50mV	≤80mV	≤80mV	≤50mV	≤80mV	≤80mV	≤50mV	≤80mV	≤80mV
Current Regulation									
Regulation Rate	≤0.1% + 1mA								
Load Regulation Rate	≤ 0.2% +5mA								
Ripple and Noise	≤50mArms								
Display	3-Digit LED					4-Digit LED			
Display Accuracy	±0.6% ±1	±0.8% ±1	±0.8% ±1	±0.6% ±1	±0.8% ±1	±0.8% ±1	±0.6% ±1	±0.8% ±1	±0.8% ±1
Safety features									
Protection	Short Circuit,Overload, OverTempearature ,OverVolatage								
Approvals	CE: EMC: EN61326 ; LVD: EN61010								
Package									
Package Contents	1xDC Power Supply ;1x Power Cord ; 1x Use Manual ; 1x test line								
Dimension	226*82*138mm								
Weight	≤1.5kg	≤1.7kg	≤1.7kg	≤1.5kg	≤1.7kg	≤1.7kg	≤1.5kg	≤1.7kg	≤1.7kg



1. Presetting Current Value

- Switch on the power supply, adjust the output voltage to about 3V by turning the coarse or fine knob of voltage. Then turn off the device.
- Short the positive "+" and negative "-" terminals by the lead, and then turn on the power supply.
- Adjust the current limiting value to your desired value (x Amp) by turning coarse or fine current knob
- Turn off the device, then take out the shorting connection by removing the lead.

Please do not turn the current coarse or fine knob here and the current limiting of the power supply has been preset to Amp for the whole range of output voltage.

2. Presetting Voltage Value

- Switch on the power supply and turn coarsely or fine knob of voltage to set your desired voltage.
- Turn off the device.

Please do not turn the voltage coarse or fine knob here and the voltage of the power supply has been preset to V you need.

Note: If display shows (CC), either your preset current limiting value is too low or your load requires more voltage and current. You need to re-preset your current and voltage value according to above operation steps.

3. Now please connect to your load positive to positive and negative to negative.

About CC&CV

The power supply functions as a constant voltage source CV as long as the load current is less than the preset current limiting value. When the load current is equal to or greater than the preset current limiting value, the power supply will automatically cross over to the constant mode, the voltage will drop, CC will show on the LED display panel and it will operate as a constant current source. When the load current drops below the preset current limiting value, the power supply returns to constant voltage CV mode.

Contact Us

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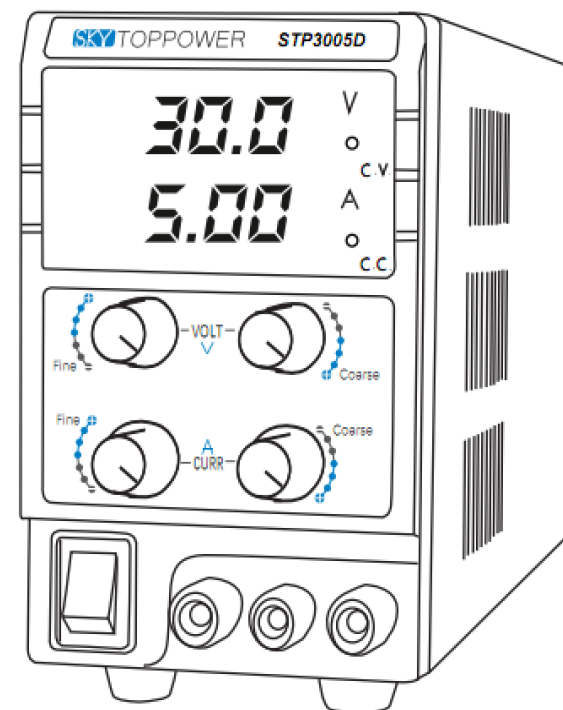
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Regulated DC Power Supply

Green Power Series

User Manual



Shenzhen SKY TOPPOWER Technology Co., Ltd