

How it works: If the load puts the DC power supply in C.V. (Constant Voltage) Mode, then the power supply will output stabilized voltage (with the C.V. indicator ON). As the load increases, the output voltage will remain stabilized until it reaches the preset current. At this point, the power supply automatically switches to C.C. (Constant Current) mode and the output current will remain stabilized (with the C.C. indicator ON). As the load increases, the output voltage will decrease in ratio to the increase. Vice versa, the change from C.C. (Constant Current) mode to C.V. (Constant Voltage) mode occurs as the load decreases.

IV. MAINTENANCE & PRECAUTIONS

1. When using the power supply to charge the battery, MUST NOT connect the positive and negative terminals incorrectly.
2. It is recommended that the power supply should not be in use under its full capacity constantly for more than 4 hours. If a longer duration of use is required, keep the usage rate within 80%. Failure to do so may result in the premature failure of the power supply. Account for additional current capacity when ordering this unit.
3. When the display shows "SCP", it indicates that the unit is in short-circuit protection mode.
4. When the display shows "t OVER", it indicates that the unit is in over temperature protection mode.

Adjustable Regulated DC Power Supply

OPERATION INSTRUCTION

English

Thank you for purchasing this product. Please read the manual carefully before operating and keep this manual for future reference.

Made in China

Statement: The company reserves the right to improve & upgrade products, product specifications and design are subject to change without notice.

● This product should not be thrown in the garbage. In accordance with the European directive 2012/19/EU, electronic equipment at the end of their life must be collected & returned to an authorized recycling facility. ● Este producto no debe desecharse en la basura. De acuerdo a la directiva europea 2012/19/EU, los equipos electrónicos al final de su vida se deberán recoger y trasladar a una planta de reciclaje autorizada. ● Dieses Produkt sollte nicht mit dem Hausmüll entsorgt werden. In Übereinstimmung mit der europäischen Richtlinie 2012/19/EU müssen elektronische Geräte am Ende ihrer Lebensdauer eingesammelt und einem autorisierten Recyclingbetrieb zugeführt werden.

SPECIFICATION

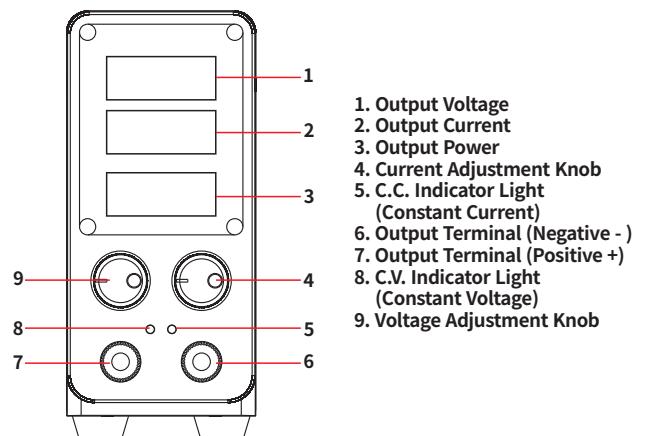
Model	3010D III	3005D III	605D III
Main Unit Dimensions	L195*W70*H157 mm ±5mm		
Operating Ambient Temperature	-10°C~40°C/14°F ~104 °F		
Relative Humidity	<90%		
Output Range (Voltage)	DC 0~30V		DC 0~60V
Output Power	300W	150W	300W
Voltage Precision	<0.1%+0.03V		
Current Precision	<0.6%+20mA	<0.3%+3mA	<0.3%+3mA
Load Regulation	<1%+10mV		
Ripple	Vrms<0.5%(10Hz-1MHz)		
Output Current	0~10A	0~5A	0~5A

I. APPLICATIONS AND FEATURES

The adjustable regulated DC power supply is specially designed for scientific researches, product development, lab testing, higher education practical applications, assembly line, and electronic repair.

1. It is compact, lightweight, portable, and easy to transport.
2. The power supply is highly efficient with a high power capacity and relatively low noises.
3. The power supply can produce highly regulated voltage with low ripple, and it has sophisticated Short-Circuit Protection, Overcurrent Protection, and Overheating Protection features.

II. CONTROL PANEL



1. Output Voltage
2. Output Current
3. Output Power
4. Current Adjustment Knob
5. C.C. Indicator Light (Constant Current)
6. Output Terminal (Negative -)
7. Output Terminal (Positive +)
8. C.V. Indicator Light (Constant Voltage)
9. Voltage Adjustment Knob

III. OPERATION

1. Connect the power supply's power cord to an electrical outlet.
2. Turn ON the power switch of the power supply. Set the desired output voltage.
3. Connect the power supply to the load's positive terminal and negative terminal correctly, and the power supply will begin powering as per normal.
4. Once the operation is complete, disconnect the load, and turn OFF the power supply's power switch. DISCONNECT the power cord when the power supply is not in use for an extended period.
5. Constant Voltage/Constant Current Characteristics
The power supply's key function is referred to as "automatic C.C. and C.V. switching". The power supply can switch between C.V. mode and C.C. mode automatically as the load changes. We refer to the change between the two modes as the point of change.