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

Switch Mode DC Power Supply (SMPS)
Variable & Voltage Regulated

OPERATION INSTRUCTION

English

305D V / 3010D VI

Made in China

Select the corresponding logo according to the nameplate.

● 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. ● Dieses Produkt darf nicht in den Müll geworfen werden. Gemäß der europäischen Richtlinie 2012/19/EU müssen elektronische Geräte am Ende ihrer Lebensdauer gesammelt und an eine autorisierte Recyclinganlage zurückgegeben werden. ● Ce produit ne doit pas être jeté à la poubelle. Conformément à la directive européenne 2012/19/UE, les équipements électroniques en fin de vie doivent être collectés et renvoyés à une installation de recyclage autorisée. ● Questo prodotto non deve essere gettato nella spazzatura. In conformità alla direttiva europea 2012/19/UE, gli apparecchi elettronici giunti a fine vita devono essere raccolti e restituiti a un impianto di riciclaggio autorizzato. ● Este producto no debe ser arrojado a la basura. De acuerdo con la directiva europea 2012/19/UE, los equipos electrónicos al final de su vida útil deben ser recolectados y devueltos a una instalación de reciclaje autorizada.

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

IMPORTANT SAFETY GUIDELINES

Strictly follow the basic safety guidelines and precautions when using the product. The guidelines include:

CAUTION!!! WARNING!!!

Read the operating manual thoroughly before use.

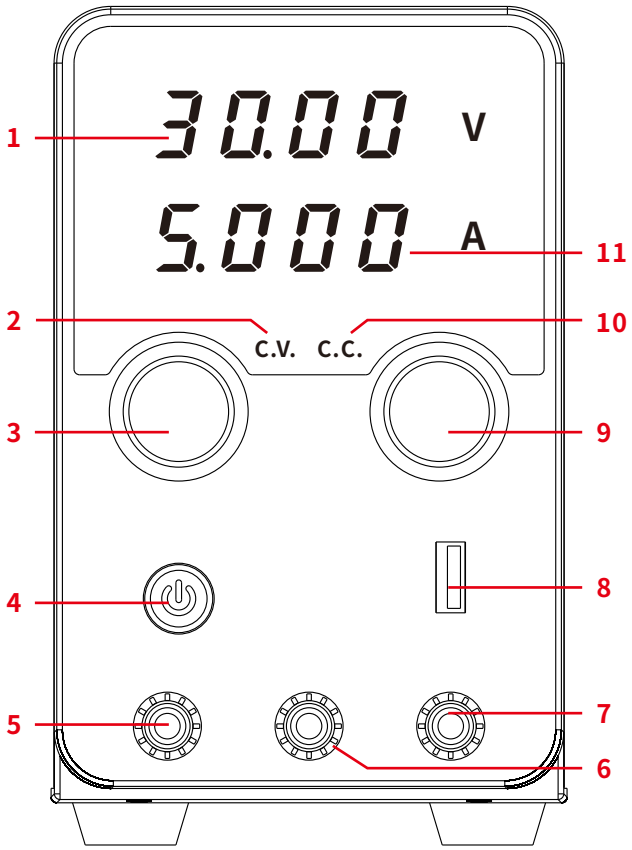
1. To prevent the danger of electric shocks, the product MUST be connected to the electrical outlet correctly.
2. DO NOT immerse the product in water.
3. Beware the danger of electric shock. To prevent electric shock, DISCONNECT the power plug when the product is not in use.
4. This product is meant for indoor and home use ONLY.
5. To prevent electric shock, DISCONNECT the power plug when replacing the fuse or conducting other repairs.
6. Fuses of the same type and rated specification MUST be used for replacement.
7. This product is not meant for users that are inexperienced (including children), have physical, sensory, or mental disabilities unless these users are guided and monitored by their responsible guardians. Take good care of the children and DO NOT allow children to play with this product.
8. Manage the children, and ensure that they DO NOT play with this product.
9. To prevent the risk of danger, ONLY the manufacturer, manufacturer-appointed service provider, or certified professionals are allowed to replace the power cord if the power cord is damaged.
10. ANY reparation services shall ONLY be conducted by the manufacturer-appointed service provider. This product does not include spare parts for users to conduct self-reparations.
11. To reduce the risk of fire hazard or electric shock, keep the product indoor and DO NOT expose this product in the rain or humid environments. Read the instruction manual before use.
12. To ensure your safety, TURN OFF the power switch when the operation is complete. DISCONNECT the power cord if the product is not in use for an extended period.
13. The product includes a detachable short power cord to reduce the risk of cable tangling or tripping.
14. A longer detachable power cord is available, use the power cord with utmost caution.
15. When using the long detachable power cord:
    1) The electrical ratings on the detachable power cord or extension cord MUST BE identical to the electrical ratings of this product.
    2) The extension cord should be a grounding three-prong power cord.
    3) Organize the longer power cord well. Ensure the power cord is on the surface of the table or work desk to avoid tripping, obstructing, or accidental pulling (especially for children).
16. Reserve sufficient space around the power supply to allow heat dissipation and cooling.
17. DO NOT use the product in environments where the ambient temperature is over 40°C.

SAVE THESE INSTRUCTIONS

SPECIFICATION

Model number	305D V	3010D VI
Rated voltage range	220V～240V	
Rated frequency	50Hz	
Rated power	180W	365W
Main unit dimensions	L215×W90×H145mm ±5mm	
Operating ambient Temperature	-10°C～40°C/14°F～104°F	
Relative humidity	<90%	
Output voltage	DC 0~30V	
Output current	0~5A	0~10A
Output power	150W	300W
Accuracy (Voltage)	＜0.1%+0.03V	
Accuracy (Current)	＜0.3%+3mA	＜0.6%+20mA
Load regulation	<1%+10mV	
Ripple	Vrms<0.5%(10Hz-1MHz)	Vrms<0.7%(10Hz-1MHz)

REFERENCE: PANEL



1. Output voltage
2. C.V. Mode Indicator (Constant Voltage)
3. Voltage Adjustment Knob
4. Power Button
5. Output Terminal (Positive +)
6. Terminal (Ground GND)
7. Output Terminal (Negative -)
8. 20W Quick-Charge USB Port (5V DC/9V DC/12V DC)
9. Current Adjustment Knob
10. C.C. Mode Indicator (Constant Current)
11. Output current

APPLICATIONS & FEATURES

This regulated DC power supply (SMPS) is developed specifically for test labs, schools, electronic assembly lines, and electronic repairs.

1. The unit is light in weight, and compact in size, making it easy to be transported and carried.
2. The unit is highly efficient with great load capacity and, produces low noise level.
3. The voltage regulation is highly stable, and the ripple is low. This power supply comes with a complete set of short circuit protection, overcurrent protection and over-heat protection functions.
4. This unit supports Quick Charge 3.0/2.0, AFC, FCP, SCP and many other protocols.

OPERATION

1. **Connect the power supply's power cord to an electrical outlet.**
2. **Turn ON the power supply's power button and set the desired voltage value.**
3. **Connect the load to the power supply based on the correct polarity, and the power supply will begin powering the load.**
4. **When the operation is complete, DISCONNECT the load, and turn OFF the power supply. DISCONNECT the power cord when the power supply is not in use for an extended period.**
5. **Constant Voltage / Constant Current**
   This power supply's key feature is referred to as "automatic C.C. and C.V. switching". This power supply can switch between C.V. mode and C.C. mode automatically based on the property of the load connected to the power supply. The point where the two modes switches is called "switching point".

   For example: If the load puts the DC power supply in C.V. (Constant Voltage) Mode, the power supply will output constant voltage (with the CV indicator ON). As the load increases, the output voltage will remain constant until it reaches the preset current. At this point, the output current will remain constant (with the CC indicator ON). As the load increases the output voltage will decrease in ratio to the increase. Similarly, the switch from C.C. (Constant Current) mode to C.V. (Constant Voltage mode) occurs as the load decreases. Similarly, the switch from C.C. (Constant Current) mode to C.V. (Constant Voltage mode) occurs as the load decreases.

6. Buzzer Setting

6.1 When the power supply is not turned ON, press and hold the voltage adjustment knob and turn ON the power button and the display will show "bELL ON" (Buzzer ON) or "bELL OFF" (Buzzer OFF).

6.2 Turn the voltage adjustment knob to turn the buzzer ON or OFF. When done setting, wait for approximately 5 seconds - Setting complete.

MAINTENANCE & PRECAUTIONS

1. When charging batteries, DO NOT connect the positive and negative poles incorrectly.
2. When the display shows "t OVER", it indicates that the unit is in over-heat protection mode.