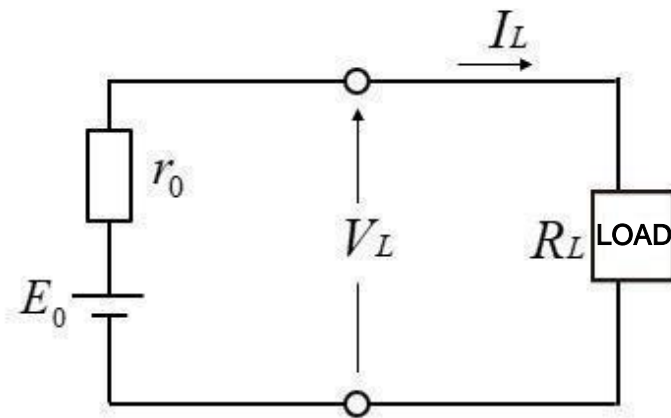


## What is the difference of CV and CC?

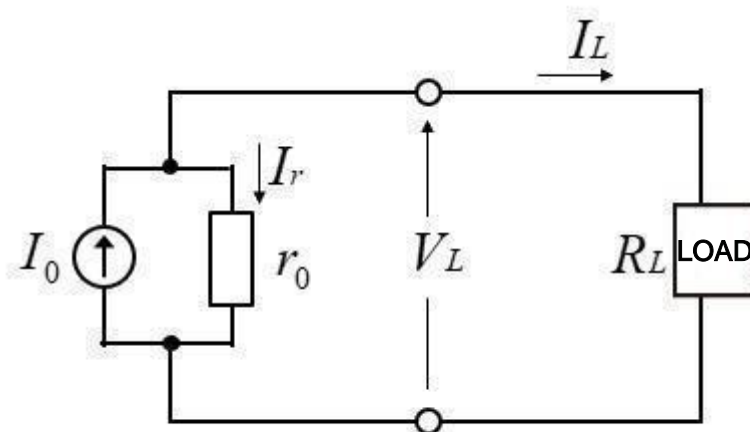
Power supply is a device that provides electric energy for the load. The power circuit is what converts input electric energy into the desired form and outputs what called "power circuit". Power circuit can be roughly divided "constant voltage power supply" and "constant current power supply".

Constant voltage power supply is power circuit that controls output voltage at a constant level. It always provides a constant voltage regardless of the load and is widely used as power supply for electronic circuits.



VOLTAGE CIRCUIT

Constant current power supply is a power supply circuit that controls the output current at a constant level. A constant current power supply is used to power LED lighting and charge rechargeable batteries.



CURRENT CIRCUIT

Voltage and current sources can be equivalently converted to each other. When the voltage applied to the load and the current flowing through the load are the same, the voltage source can be equivalently converted into a current source that does the same work to the load, and the current source can be equivalently converted into a voltage source that does the same work to the load.

#### Variable switching power supply

Some power supplies are "variable switching power supplies" that switch modes to enable various outputs. In addition to constant voltage (CV) mode and constant current (CC) mode, outputs such as constant power (CP) mode and constant resistance (CR) mode can also be provided according to the application.

XINDALI power supply belongs to constant voltage power supply which include more than indoor 5V/12V/24V/36V/48 LED driver, ultra small waterproof 12V/24V LED driver, super slim 12V/24V LED driver, ultra thin 12V/24V LED driver, Linear 12V/24V LED driver, IP20|IP67 12V/24V dimming driver, PFC0.9 12V/24V LED driver, 5V-24V LED controller etc.