

### THE BATTERY

The battery is a device that converts chemical energy into electrical energy. It consists of two or more electrochemical cells connected in series. Each cell contains two electrodes (an anode and a cathode) immersed in an electrolyte. The anode is the negative terminal, and the cathode is the positive terminal. When the circuit is closed, electrons flow from the anode to the cathode through the external circuit, and ions flow through the electrolyte to maintain charge balance.

Component	Description	Material
Electrolyte	Medium for ion transport	Sulfuric acid
Anode	Negative terminal	Zinc
Cathode	Positive terminal	Lead dioxide
Separator	Prevents short-circuiting	Porous plastic
Case	Protective housing	Plastic

Source: [unclear]

### CONNECTION



Source: [unclear]