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Voltage is defined as the amount of electric potential energy required to transport one unit of charge from one point to another in a closed circuit. Since the SI unit for energy is the Joule () and that for charge is the Coulomb ( ), the SI unit for voltage is Joules per Coulomb ( ). Current is defined as the amount of charge passing through a point in a closed circuit per unit time.

Chapter 2 - Fundamentals of Electric Circuits - Part 1 ...

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Chapter 2 electrical circuits. Circuit. Conductors. Current. Power source. Two or more conductors through which electrical current flows…. Wires through which electric current flows. A flow of electric charge. A source of power most likely electrical power.

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