

# Current and resistance

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## The Relationship between Current and Resistance [\[edit\]](#)

Current and resistance are both related with the equation;

$$V = I \cdot R$$

(Where V is voltage, I is current and R is resistance.) Current is measured in Amps which is the amount of electric charge (in Coulombs) per second, and Resistance is measured in Ohms. Resistive loss can also be measured from using Current and Resistance, the equation looks like;

$$P = I^2 \cdot R$$

Where P is power measured in watts.

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