



Watt's law

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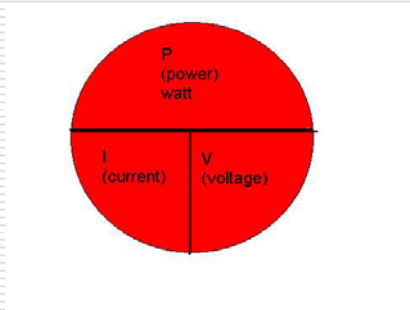


Terms of Watt's law

- ☐ **Watt:** A unit of electrical power. One watt is equivalent to the power represented by one ampere of current flowing through a load with a voltage drop of one volt in a dc circuit.
 - ☐ **Ampere:** The flow of electrons or other particles through a conductor.
 - ☐ **Voltage:** It is the electrical pressure that causes electrons or other particles to move through a circuit.
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Definition of Watt's law



- The relationship between power, amperage and voltage drop in an electrical circuit.



Practice.

Power	Voltage	Amperage
12w	12v	?
?	12v	.25 amps
6w	?	10 amps
24w	48v	?
?	12	5 amps



Practice.

Power	Voltage	Amperage
12w	12v	1 amp
3W	12v	.25 amps
6w	.6v	10 amps
24w	48v	.5 amps
60w	12v	5 amps
