

Power (P) Watts (1000 W = 1 kW)
Current (I) Amps
Potential difference (V) Volts
Resistance (R) Ohms Ω
Energy (E) joules

$$P = IV$$
$$I = P/V$$
$$V = P/I$$
$$E = Pt$$

$$V = IR$$
$$I = V/R$$
$$R = V/I$$
$$P = I^2R$$
$$E = Pt = I^2Rt$$
$$1 \text{ kWh} = 3.6 \times 10^6 \text{ J}$$

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