

Electrical Quantities

| Quantity | Symbol | Unit Name | Unit Symbol |
|--------------------------|-----------|------------------------|---------------------------------------|
| Electromotive force | E, e^* | Volt | V |
| Potential difference | V, v^* | Volt | V |
| Current | I, i^* | Ampere | A |
| Magnetic flux | Φ | Weber | Weber |
| Frequency | f | Hertz | Hz |
| Flux linkage | λ | Weber-turns | - |
| Resistance | R | Ohm | Ω |
| Inductance | L | Henry | H |
| Capacitance | C | Farad | F |
| Impedance | Z | Ohm | Ω |
| Reactance | X | Ohm | Ω |
| Power, dc, or active | P | Watt | W |
| Power, reactive | Q | Volt-ampere reactive | VAR, var |
| Power, total or apparent | S | Volt-ampere | VA |
| Power factor angle | ϕ | - | °, deg. |
| Angular velocity | ω | Radians per second | rads^{-1} |
| Rotational velocity | n | Revolutions per second | s^{-1} , rev s^{-1} |
| | | Revolutions per minute | min^{-1} , rpm |
| Efficiency | η | - | |
| Number of pairs of poles | p | - | |

* Capital and small letters designate rms and instantaneous value respectively.