

Electrical Quantities

Quantity	Quantity symbol	Definition	Unit used to measure	Unit Symbol	...or...(another unit) *for some only*
Mass	m	Amount of matter	Kilogram	kg	----
Energy	E	Ability to do work	Joule	J	----
Power	P	Rate at which energy is used	Watt	W	= J/s
Current	I	How fast electrons are flowing	Amps	A	= C/s
Voltage (potential difference)	ΔV	Amount of energy each coulomb of electrons has	Volts	V	= J/C
Resistance	R	Measure of how much electrons are slowed down	Ohms	Ω	----
Coulomb	C	6.2×10^{18} electrons	-----	----	----

