



What equations do I need to know for the AQA GCSE physics exam for the Electricity topic?

Equations to Learn	
voltage = current \times resistance	$V = I \times R$
charge = current \times time	$Q = I \times t$
power = current \times voltage	$P = I \times V$
power = current ² \times resistance	$P = I^2 \times R$
Energy = power \times time	$E = P \times t$
Resistance total = sum of individual resistors in series	$R_T = R_1 + R_2$
energy = charge \times voltage	$E = Q \times V$

In the electricity topic all the equations are required for both Foundation and Higher Tier entries.