Kw of electric car

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kWh stands for "kilowatt-hour". And what is a kilowatt-hour? It"s a unit of electricity. So 1 kWh = 1 unit of electricity.

Your house has an electricity meter. It records how much electricity you use. You know that number on the meter that keeps going up? That number tells you the kilowatt-hours (kWh) - or units of electricity - you have consumed.

An all-electric car has a battery which powers an electric motor (or motors) which in turn makes the wheels go round.

That car battery stores units of electricity. It stores kWh.

Let"s consider the Renault Zoe. It has a 52 kWh battery. What does that mean? When fully charged, the Zoe can store 52 units of electricity.

As you drive the car, you use up electricity from the battery. It will go down from 52 kWh to 51, 50, 49 and so on.

Imagine you leave home in the Zoe on a full battery and then return at the end of the day having consumed 15 kWh of electricity (that equates to roughly 60 miles of driving). The battery will now have 37 kWh remaining in it (52 minus 15).

You plug the car in to start charging its battery. Assuming you have had a dedicated EV charging point installed, it will take a couple of hours to charge the battery back up to 52 kWh. That"s 1 kWh of electricity into your Zoe"s battery every 8 minutes, approximately.

kW is short for kilowatt. What"s a kilowatt? It"s a measure of how much electrical power a device needs to operate.

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