

EV Myths Busted

“EVs are so much more expensive than petrol and diesel cars...”

The higher purchase price is quickly balanced out by far lower running costs: zero road tax, ultra-low servicing requirements and up to 170 mpg equivalent or about 3p per mile on some overnight tariffs. And free with home solar! Buying used is always better for the planet - EV's can be bought for as little as £6k. EV's do cost more to buy but as with all new tech, prices are falling over time. Ultimately, how do you cost the earth?

“EVs have limited range, there's nowhere to charge and it takes hours”

The latest EVs have a range of anywhere between 170 and 400 miles - the average UK journey is 25 miles a day. According to Zap-Map.com there are now over 65,000 charge points in the UK and the number is increasing by 1,000 a month. BP and Shell are installing chargers at their filling stations. Typically, 100 miles can be added to an EV in the time it takes to have a coffee and check your phone. Tesla's Supercharger network enables owners to easily travel the entirety of the UK and Europe. The majority of UK households have off-road parking for home charging using a dedicated charger or just a standard 13 amp socket. Supermarkets and workplaces often offer charging.

“EV batteries degrade quickly and can't be recycled”

EV batteries are proving extremely durable. Degradation averages about 1% every 10,000 miles. Most EVs have effective management systems that guard the long-term health of the battery. Manufacturers offer battery warranties of up to eight years, or 100,000 miles but there's a reasonable expectation that they will actually outlive the car itself. Even if a battery became no longer fit for use in the car it certainly won't end up in landfill - they go on to enjoy a second life as a wind or solar energy storage unit for homes or businesses. Finally, they can be recycled.

“EVs aren't enjoyable to drive”

On the contrary, EVs are thrilling to drive and better in every way compared to fossil fuel cars - they offer effortless, silent, seamless performance with maximum torque always available. They have one-speed auto transmissions and regenerative one-pedal operation meaning you hardly touch the brakes. Further, the batteries in EV's provide a low center of gravity that significantly improves handling and safety.

“The electricity grid simply can't cope with everyone having an EV”

National Grid confirms that there is more than enough capacity - even if the impossible happened and everyone switched to an EV overnight. Please Google 'National Grid - 6 myths about electric vehicles busted'.

“EVs are actually worse for the planet”

Always consider walking, cycling or taking public transport before using a car. But the reality is there are 32 million cars in the UK and road transport accounts for 26% of the UK's carbon footprint and 80% of air pollution (BBC). It is therefore essential we make the switch to EVs. They are simpler to manufacture (few moving parts) but it is true that battery production is energy dense. However, the batteries will provide at least 150,000 miles of zero emission transport using renewable electricity. Compare this to a fossil fuel car that will be pumping carbon and particulates into the atmosphere for as long as it's on the road...

EVs are simply Cleaner, Greener, Safer, Smarter

#stopburningstuff

Green Transition Crowborough offers free demo rides - phone 07702 124 971