

## Range anxiety



### Fact or fiction? EV myths explained

Your e:Ny1 can travel 256 miles on a full charge. That's plenty when you realise that the average journey is 8.4 miles, and 99% are less than 100 miles.

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#### The fear of running out of power

Range anxiety is the fear that your EV will run out of battery power before you can find a charging point. Many potential drivers of EVs suffer from range anxiety.

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#### Range and charging misconceptions

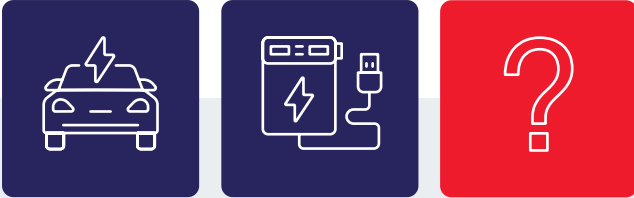
##### 1. EVs lack the battery range to travel as far as people need

###### Reality:

- + The length of the average car journey in the UK is 8.4 miles.
- + Trips with passengers in the car tend to be longer: 9.1 miles.
- + Trips in which the driver travels alone are shorter: 7.7 miles.
- + 99% of car journeys in England are under 100 miles.
- + The e:Ny1 has a range of 256 miles on a full 100% charge.
- + Most drivers' needs are easily met by an EV.
- + To find out more, see *Honda EV Driver Tips 3.1*.



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## Range anxiety

### 2. There are not enough charging points to meet demand

#### Reality:

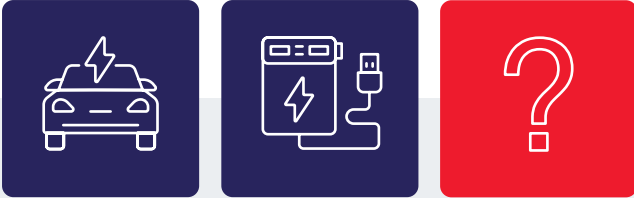
- + The UK has one of the largest rapid-charging networks in Europe.
- + 48,450 public charging points across the UK (August 2023).
- + 9,015 rapid chargers in the UK (August 2023).
- + Over 600 new chargers added, on average, to the UK's road network each month, of which over 100 are rapid.
- + A driver is never more than 25 miles from a charging point when driving on England's motorways and A-roads.
- + Most drivers charge at home – a trend that's set to continue.
- + The UK already has almost 900,000 plug-in vehicles on the roads.
- + Evidence suggests that drivers with off-street parking meet the vast majority of their charging needs at home when their vehicles are parked.
- + To learn how you find charging points, see *Honda EV Driver Tips 3.3*.

### 3. Only people with off-street parking can easily charge their EV

#### Reality:

- + There's are several Government-backed schemes to fund additional charging points.
- + The On-Street Residential Chargepoint Scheme (ORCS) helps local authorities (LAs) provide charging points for residents who lack private parking.
- + During the current year (2023), ORCS is making £20 million available to LAs.
- + ORCS has already helped more than 150 LAs install over 11,000 charging points.
- + Another £450 million is coming through the Local Electric Vehicle Infrastructure (LEVI) fund, a scheme to help households without off-street parking.
- + LEVI is now live, and LAs will soon know when to expect the first payment for the financial year 2023 to 2024.
- + The £950m rapid charging fund is for future-proofing electrical grid capacity at service areas on motorways and major A-roads in readiness for an uptake of EVs.
- + Rapid charging hubs and electric forecourts (equivalent to petrol or diesel forecourts) are emerging as further options for EV drivers to recharge. Workplace charging is also increasing. The Government has supported the installation of many workplace charging sockets.





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### 4. Loads of chargers in London but hardly any elsewhere

Zapmap have reported that in 2022 East Midlands, West Midlands, South West and Wales have installed more rapid/ultra rapid chargers than London. In 2023 the nationwide numbers are already up 43% since the start of the year.

#### Reality:

- + According to Zapmap, during 2022 more rapid and ultra-rapid chargers were installed during in the East Midlands, the West Midlands, Wales, and the South-West than in London.
- + All UK regions have seen increases in publicly available charging points. By late 2023, there were 43% more chargers than there were at the start of the year.
- + If you're driving in Europe, EU laws now mandate chargers every 38 miles on major roads.
- + To learn how you find charging points, see *Honda EV Driver Tips 3.3*.
- + Through the Electric Vehicle Chargepoint Grant (the OVEZ grant) and the Workplace Charging Scheme, the Government is supporting the installation of charging points in residential buildings and workplaces across the UK, including rural areas.
- + To learn more about OVEZ grants, see *Honda EV Driver Tips 4.3*.
- + The Government is also providing additional funding to install charging points at small accommodation businesses, which are disproportionately found in rural areas.



### 5. Public charging points are all broken

#### Reality:

- + According to Zapmap, nine out of ten charging points are working at any point in time.
- + There's every reason to keep charging points operational. Broken ones are inconvenient, frustrating, and potentially unsafe – and fail to generate any income.
- + To learn how you find available charging points, see *Honda EV Driver Tips 3.3*.