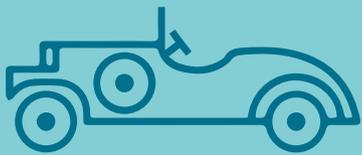


# The electric era has arrived

- some interesting facts about electric vehicles





# 1832

Robert Anderson developed the first crude electric vehicle



The electric car market is growing quickly. There were more than 1,000,000 plug-in cars with approximately 590,000 BEVs and 430,000 PHEVs registered at the end of October 2022

## 3 x less



Electric cars generate 3x less CO2 on average than their ICE counterparts<sup>1</sup>

Cheaper to maintain than ICEs due to less moving/wearing parts

ICE

EV's

150

Moving Parts

24

24

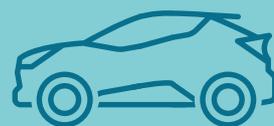
Wearing Parts

11



The average cost of charging an electric car at home is about £15 for a full charge

Drivers of electric vehicles are exempt from Congestion Zone and Clean Air Zone charges



From 25<sup>th</sup> October

# 2021

only pure electric vehicles are eligible for the Cleaner Vehicle Discount in London's Congestion Charge Zone

## Chargers



Slow Chargers  
(up to 3Kw)

6-12  
hours

Best for over night charging as these can take typically between six to 12 hours



Fast Chargers  
(7Kw - 22Kw)

3-4  
hours

Fast chargers (7Kw to 22Kw) usually take between three to four hours to charge



Rapid Chargers  
(43Kw - 50Kw)

30  
mins

Rapid chargers (43Kw to 50Kw) these can charge an EV to 80% in around 30 mins



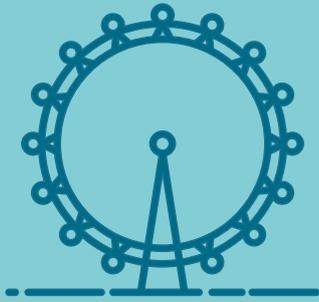
# 8 year warranty

Most manufacturers offer an eight year or 100,000 mile warranty for their EV batteries

10 years

The current prediction is that an electric car battery will last 10-20 years before they need to be replaced

20 years

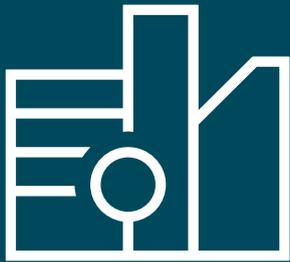


### London

has the most EV charging points, followed by the South-East



According to DfT, the number of rapid charging points in the UK has increased to 6,395 units



# >25,000

public charge points in the UK



There are currently more than 34,637 public electric vehicle charging devices available in the UK, often located in supermarkets, shopping centres, public car parks, hotels and sometimes service stations



More than **30,000** electric vans in the UK as of October 2022



# 70%

of van drivers drive less than 62 miles a day, making electric vans perfect business vehicles



# 25 miles

Drivers are currently never more than 25 miles away from a rapid (50 kilowatt) charge point anywhere along England's motorways and major A roads

## Types of Electric Vehicles

### BEVs

Battery Electric Vehicles (electricity only)

### HEVs

Hybrid Electric Vehicles (electricity, petrol/diesel)

### PHEVs

Plug-in Hybrid Electric Vehicles (electricity, petrol/diesel)

### E-REVs

Extended Range Electric Vehicles (electricity, petrol/diesel)

### FCEVs

Fuel Cell Electric Vehicle (electricity, hydrogen)

November 2022



Building 1000, Lakeside North Harbour, Western Road, Portsmouth, Hampshire, PO6 3EN  
Call us on: 0333 222 0966 Email: [info@kinto-uk.com](mailto:info@kinto-uk.com) Website: [kinto-uk.com](http://kinto-uk.com)