

United kingdom electric vehicle charging

This publication is available at <https://>

These statistics are released under the "official statistics in development" label - formerly called experimental statistics. For more information, see the About these statistics section and the methodology note published alongside this release series.

The timeline of this publication series includes periods of coronavirus (COVID-19) related restrictions. As such, figures in this release may be affected and should be interpreted with caution.

Charging device speed categories changed in October 2023. The new categories are 3 kilowatts (kW) up to 8kW, 8kW to 49kW, 50kW to 149kW and 150kW and above. The Office for Zero Emission Vehicles (OZEV) are working with industry on a naming conventions for these new categories; until this is determined we will refer to the new categories by their power rating banding in this release series.

Due to this change in speed categories, please interpret timeseries data with caution.

We welcome feedback on this quarterly publication. If you would like to provide feedback please email electric_vehicle_charging_infrastructure_statistics@ons.gov.uk.

Compared to 1 January 2024:

Compared to 1 April 2023:

Table EVCD_01a and Table EVCD_01b provide a breakdown of public charging devices in each local authority in the UK whilst Table EVCD_03 shows the change in the number of devices since 2015. These tables are published alongside this report.

Chart 2 is a bar chart showing the consistent growth in higher powered devices since January 2015. Due to the change in speed categories in October 2023, this timeseries is broken and should be interpreted with caution. This chart shows the number of 25kW and above devices (previously referred to as "rapid or above devices") in each quarter up to October 2023. October 2023 onwards displays the number of 50kW and above devices. As of 1 April 2024, there were 11,590 50kW and above public charging devices, this accounted for 19% of all charging devices.

Chart 3 is a doughnut chart showing the proportion of charging devices across speed categories. The largest speed category was 3kW up to 8kW, which accounted for 35,339 (59%) of all charging devices. The smallest speed category was 150kW plus, which accounted for 8% (4,662) of all charging devices.

Chart 4 is a doughnut chart showing the proportion of charging devices across location categories. The most common location category for charging devices was "destination" accounting for 27,583 charging devices or 46% of all publicly available charging devices. "On street" charging devices accounted for 37% of charging devices or 22,199. Further information can be found in Annex B.

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