

## More fast charging options in the UK would convince 78 percent of future EV drivers to switch to electric driving sooner

- One third of British citizens believe that EV charging is too time consuming
- Nearly half worry about the availability of charging stations when they're on the road
- Only half of British EV drivers is familiar with the difference between normal and fast charging

These perceptions are the top obstacles when considering a switch to driving electric. More (ultra) fast chargers\*, especially along highways, public parking, and retail locations, will help convince three fourths (78 percent) of future EV drivers to go electric.

**London, November 25, 2020**—Current British EV drivers are concerned about the availability of charging along the road. In the UK, almost half (47) percent believing they would not find a charging point when and where they need one - but 19 percent are confident they will. More fast chargers along the road will help to diminish those barriers, especially with potential\* EV drivers stating they would be willing to pay more for access to faster charging.

These are just some of the findings from the EVBox Mobility Monitor—EVBox's annual market research report on electric vehicle adoption and barriers conducted alongside [Ipsos](#).

## EV drivers' have split views on charging infrastructure across Europe

As of 2020, Europe\* has almost [250,000 public charging points](#), a number which has quadrupled since 2015. The EVBox Mobility Monitor suggests those that already driving an EV are more aware of this figure, as their confidence in charging point availability doubles compared to non-EV drivers (49 percent vs. 25 percent). This figure rises to 60 percent in Germany, followed by UK (55 percent) and The Netherlands (52 percent).

The United Kingdom alone just passed [35,000 public charging points](#), and the EVBox Mobility Monitor's results show that UK EV drivers are the second most confident about their nation's charging infrastructure with 42 percent, behind the Netherlands (47 percent). In other countries the views are still split.

## 4 in 10 future EV drivers are willing to pay more for fast charging

There is a vast difference between regular and (ultra) fast charging:

- Home charging: 1 hour of charge can add an additional range of up to 37 miles
- Fast charging: 30 minutes of charge can add an additional range of up to 155 miles

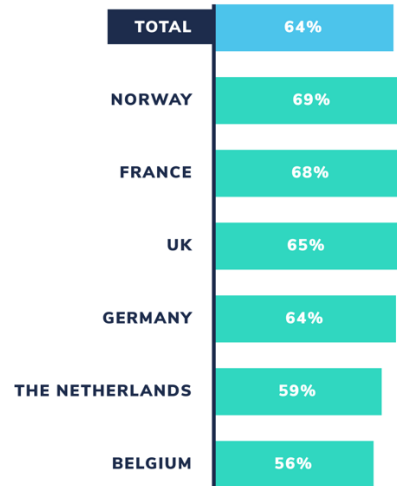
- Ultra-fast charging (up to 350kW): 15 minutes charge can add an additional range of up to 248 miles

Knowing this, 49 percent of current and potential British EV drivers stated they would be willing to pay more for fast charging, compared to the 17 percent who would not be willing to pay more for this.

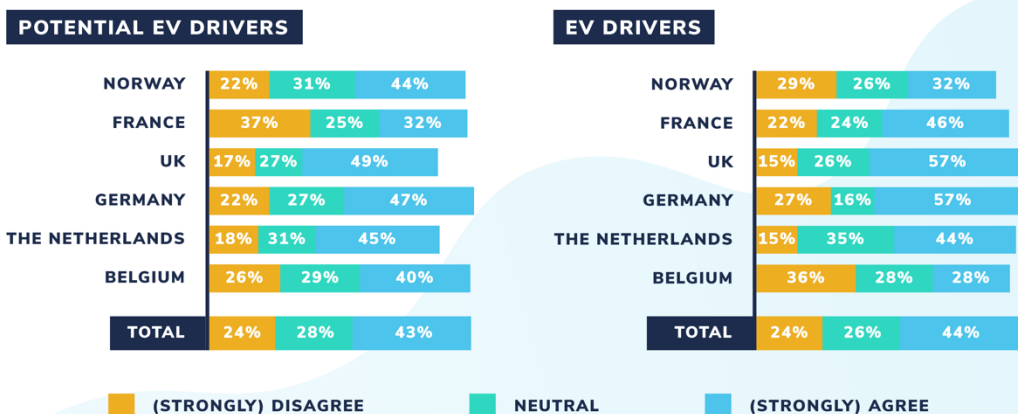


## Are EV drivers familiar with the difference between normal and fast charging?

n=600 EV drivers (100 per country)  
% of respondents who indicated they know the difference.



## Are EV drivers willing to pay more for fast charging?



Potential EV drivers (n=1096 total: Belgium n=178, France n=195, Germany n=175, the Netherlands n=143, Norway n=165, UK n=240), EV drivers (n=600 total: n=100 per country).



## Where do EV drivers use fast charging?

When looking at the usage of fast charging, it becomes clear that there aren't many drivers that use fast charging on a regular basis (yet). Only 27 percent of British EV drivers use a fast charger more than 5 times a month. This is expected, as the majority of charging sessions happen at home (68 percent) or service stops and fuel stations along highways (49 percent), and fast charging is most needed during travel outside of the daily commute. Currently, most British EV drivers fast charge at service stops and fuel stations along highways (65 percent), public parking locations in cities (53 percent), and at retail locations (48 percent).

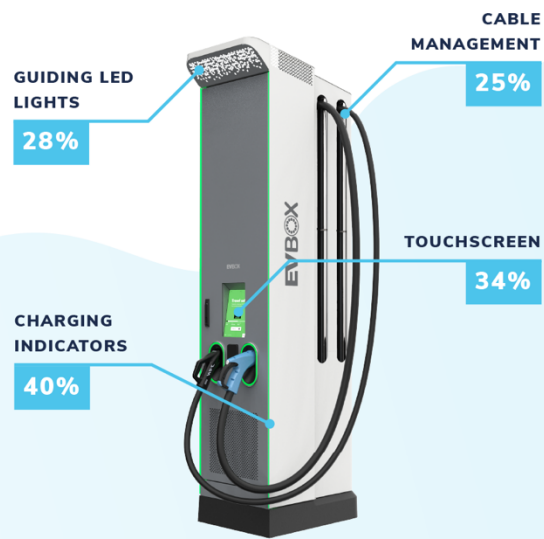


## EV drivers value high-tech features on (ultra) fast chargers

Current EV drivers expect (ultra) fast chargers to provide them with all the features necessary to make the charging experience as easy as possible. For example, one in four (25 percent) found a good cable management system as most useful. The top three most requested features are: charging indicators that show the station's status/availability from a distance (40 percent), interactive touchscreens (34 percent) and good illumination (28 percent).



## The four most useful features of a fast charging station according to EV drivers



n=231 fully electric EV drivers. Charging station: EVBox Ultroniq.  
% of respondents who chose this feature as most useful at a fast charging station.

*“Our research shows that EV drivers want to see more fast charging stations at commercial properties, petrol stations, and urban areas. Therefore, UK policies should encourage the installation of stations at such locations over the next decade to keep pace with the growing eMobility market. However, grid capacity and associated upgrade costs will become pressing issues, so regulations across the UK will need to be aligned to ensure that public fast charging stations are installed both efficiently and intelligently.”*

—Jonathan Goose (Regional Director UK & Ireland at EVBox)

### Footnotes:

\* Normal and fast charging explained: at home someone can add on average up to 60 km in 1 hour to their car’s range, with fast charging around 250 km in 30 minutes, and ultra-fast charging (up to 350kW) as much as 400 km in 15 minutes—depending on type of car, charger etc. Learn about the difference between AC and DC charging [here](#).

\* European EV drivers are respondents from the survey in all six countries who are driving an EV

## About the EVBox Mobility Monitor

This market research was executed by [Ipsos](#) at the request of EVBox. The survey was undertaken in six European countries (Belgium, France, Germany, the Netherlands, Norway, and the UK) and 3,600 citizens—including 600 EV drivers.

EV drivers constitute hybrid, PHEV, and BEV drivers.

\*Potential EV drivers are respondents who indicated they would either definitely or most likely invest in an EV when considering the purchase of their next car.

For more information regarding specific numbers, feel free to reach out to [Madeline Vidak](#) (PR & Communications at EVBox).

## About EVBox Group

Founded in 2010, EVBox Group accelerates the adoption of electric mobility by bringing convenient, integrated EV charging solutions to businesses and drivers around the world. From its extensive portfolio of commercial and ultra-fast charging stations built by [EVBox](#) to its scalable, open-source charging management software engineered by [Everon](#), EVBox Group ensures that electric mobility is accessible to everyone.

Backed by ENGIE, EVBox Group is a leader in research and development, with multiple labs and factories across Europe and North America developing groundbreaking EV charging technology. With offices across the globe including Paris, Chicago, and Amsterdam, and strong foundations in dozens of markets, EVBox Group is shaping a cleaner future of transportation.