



© 25 November 2020, 08:00 (CET)

More fast charging options in Europe would convince 66 percent of future EV drivers to switch to electric driving sooner

One third of European citizens still think that charging is too time consuming, and nearly half worry about availability of charging stations when they're on the road— two perceptions that are both in the top three main obstacles to switch to driving electric. More (ultra) fast chargers*, especially along (international) highways, public parking and retail locations will help convince two thirds of future EV drivers to choose an electric car.

Amsterdam, November 25, 2020—European EV drivers are still concerned about charging possibilities along the road. 38 percent of European citizens do not think that they'll find a charging point anytime and anywhere they'd need it—but 25 percent are confident they will. More fast chargers along the road will help to diminish those barriers, especially since a trend shows that potential* EV drivers are even willing to pay more knowing they car will be charged faster.

These are some of the findings from the **EVBox Mobility Monitor**—EVBox's annual market research report on electric vehicle adoption and barriers conducted alongside [Ipsos](#). The research is supported by responses from 3,600 European citizens across six countries: the Netherlands, Germany, France, Belgium, Norway, and the UK.

Mobility Monitor



EV drivers' views on charging infrastructure are split across Europe

Charging availability along the road and the time spent waiting until your car fully recharged remain two of the [top three main obstacles for European citizens to switch to electric driving](#). As of 2020, Europe* has almost 250,000 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 of confident EV drivers in Germany, followed by British (55 percent) and Dutch (52 percent) EV drivers.

The Netherlands alone just passed 60,000 semi-public charging points, and the EVBox Mobility Monitor's results show that Dutch are the most confident about their nation's charging infrastructure—almost half of EV drivers agree (47 percent). In other countries the views are still split.

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

Many EV drivers (64 percent) are familiar with the differences between regular and (ultra) fast charging. For reference:

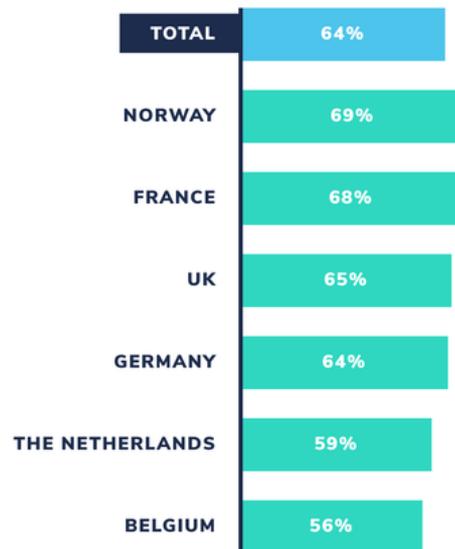
- Home charging: 1 hour of charge can add an additional range of up to 60km
- Fast charging: 30 minutes of charge can add an additional range of up to 250km
- Ultra-fast charging (350 kW): 15 minutes charge can add an additional range of up to 400km

Knowing this, 43 percent of current and potential EV drivers who are considering buying an electric car (again), confirmed that they would be willing to pay more for fast charging—knowing they car will be charged faster at a public charging station, versus 24 percent who are not willing to pay more for this.

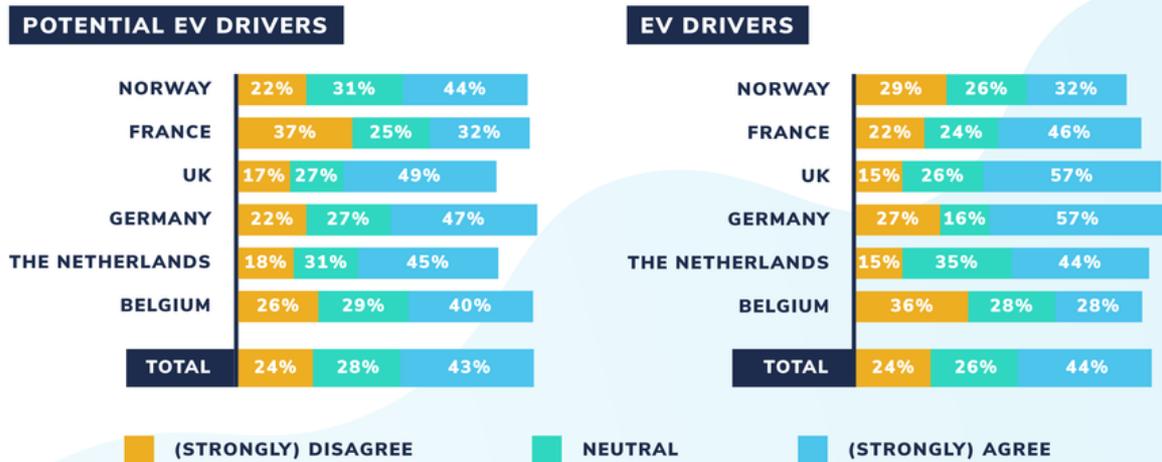


Are EV drivers familiar with the difference between normal and fast charging?

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).

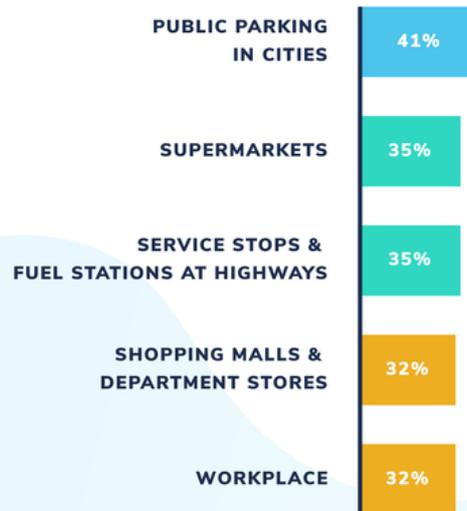


Where do EV drivers use fast charging?

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 21 percent of EV drivers use a fast charger more than 5 times a month. This can be expected, as the majority of charging sessions happen at home (73 percent) or at the workplace (40 percent), and fast charging is most needed with travels that are different from the daily commute. Currently, most EV drivers fast charge at service stops and fuel stations along highways (55 percent), retail locations (48 percent) and at public parking locations in cities (47 percent).

Where do EV drivers want to see more fast chargers?

EV drivers (n=231 total: Belgium n=29, France n=32, Germany n=47, the Netherlands n=27, Norway n=59, UK n=37. Electric/plug-in hybrid cars, no full-hybrid. % of respondents who indicated they would like to see more fast chargers at this location.

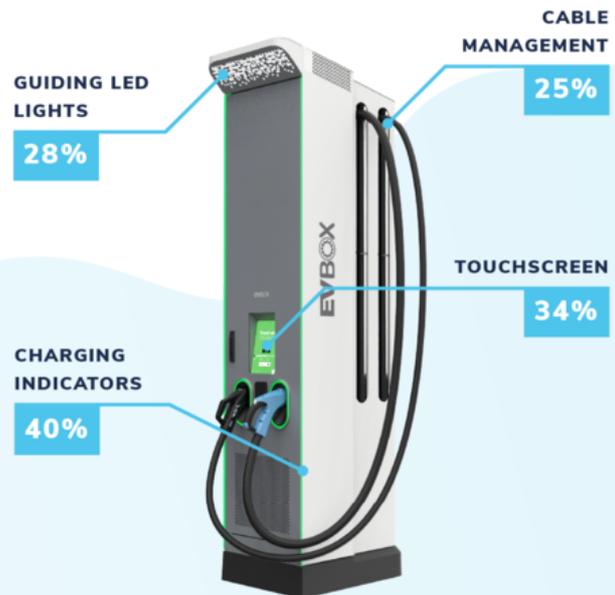


EV drivers value high-tech features on (ultra) fast chargers

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 (40 percent) that show the station's status/availability from a distance, 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 Ultronic.
% 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, EU 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 Europe will need to be aligned to ensure that public fast charging stations are installed both efficiently and intelligently.”

— Kristof Vereenooghe (CEO of EVBox Group)

Country-specific press releases

Are you interested to read the country specific press releases of the EVBox Mobility Monitor? Click on the links for [France](#), [the Netherlands](#), [Germany](#), [Norway](#), [Belgium](#), and [the UK](#).

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](#).

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.

With more fast chargers, 66% would switch to EVs sooner

↔ [Source: Fleet Europe](#)

Fast charging key to enabling European EV uptake

↔ [Source: Current](#)

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EVBox facts

- **150,000+ charging points** powering EV drivers
- **5,000+ fast charging points** installed worldwide
- **70+ countries** powered by EVBox
- **500+ EVBoxers** around the world
- **60+ nationalities** working together
- **13 offices** across Europe and North America
- **80K+ trees planted** via our OneChargerOneTree initiative

Our story

EVBox is the leading global manufacturer of electric vehicle charging stations and charging management software. In 2010, EVBox made its breakthrough when the market for electric vehicles (EVs) was still in its infancy. A techie at heart, co-founder Bram saw the importance of having a connected charging infrastructure at

an early stage. EVBox soon became the sole supplier of public charging infrastructure in cities such as Amsterdam, Rotterdam and Monaco. Meanwhile, EVBox played an active role in creating and innovating Smart Charging technologies and roaming of charging infrastructure with industry partners.

In 2014, Gilde Equity Management Benelux became EVBox's new major shareholder to help EVBox expand internationally. Key reasons for Gilde's entrance were EVBox's strong market position in the Dutch industry, its customer base and range of expertise, as well as the exponential growth of electric vehicle sales around the world.

In 2017, EVBox was acquired by ENGIE Fab, who identified EVBox as a disruptive, leading cleantech company making a difference in the fast growing industry of electric mobility. Today, EVBox moves forward as a strong leading brand perfecting its original recipe: a second generation of hardware and software that are energy efficient, future proof, and easy to use. Charging solutions with uncompromising quality and reliability.



EVBox