

Charging an ev in germany

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In Germany, as of October 2023, there are over 78,918 publicly accessible charging points for electric vehicles. The network is becoming increasingly dense, especially along the highways and in urban areas.

If you're an EV driver looking for EV chargers in Germany, you're in the right place. Electromaps database contains 75,308 charging stations available throughout the country, making it easier for drivers to power their vehicles on the go. Berlin is the city with more charging stations in Germany.

Germany: public EV charging points by federal state 2017-2024. Volume of available public electric vehicle charging points in Germany between January 1st, 2017, and January 1st, 2024, by federal state

Unlock your EV Charging potential with our latest white paper: "How to Roadmap Your EV Charging Innovation Strategy." Discover game-changing strategies to revolutionise your approach to electric mobility as an automotive player.

In 2019, Germany's transport sector produced roughly 199 million metric tonnes of greenhouse gas (GHG), making it the largest emitter of transportation-related GHG emissions in Europe. While this value represents the peak emission, it does not deviate much from the values recorded in the previous years. A quick look at the transport sector emissions trend shows that Germany has always emitted nearly this much from the sector.

As of 2020, Germany recorded a meagre 11% reduction in transport emissions from the 1990 levels. Currently, 20% of Germany's total GHG emissions come from the transportation sector. The German government plans to cut this emissions share by 35% by 2030--the highest target among all GHG-emitting sectors. How? Through Electric Vehicles (EVs)!

Germany, as of 2021, had the largest EV market in Europe, with about 681,900 plug-in EVs sold. This milestone, impressive as it may seem, is still not enough to subdue the emissions volume that comes from the transport sector. Hence, the German government has set a goal of having 15 million EVs on the road by 2030. Whether this is possible depends on the current statistics and how far and well Germany's EV market has come.

In the same manner that Germany's renewable energy has experienced remarkable developments to become Europe's leading producer of renewable energy, the country's EV market has recorded explosive feats in the past few years.

Germany saw a total of 3,082,504 passenger vehicle registrations in 2012. Of this number, only 2,956 were fully electric, making 0.096% of the total vehicles registered. The highest recorded leap occurred between

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2020 and 2021 when registered EVs nearly doubled from 394,632 to 695,657.

Perhaps the gap in the market shares makes the past decade's growth particularly noteworthy. In April 2022, Germany saw its EV market share reach 24.3% from 22.1% in 2021. A juxtaposition of these figures demonstrates a 24.204% growth within the last decade.

Germany sold 2,956 BEVs and 21,438 hybrids, totalling 24,398 EVs in 2012. However, the seismic shift in EV sales occurred in 2020 during the pandemic, as demonstrated in the visualisation below. In 2021, Germany sold 695,657 EVs, consequently recording the second largest global year-on-year (YoY) leap in EV sales at a 10.2% increase, trailing behind only China at a 51.7% jump.

Visual representation of global EV sales between 2011 and 2021

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