

Electric vehicle charging infrastructure belgium

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We're here to bring a breath of fresh air to Brussels and fight climate change at the same time! By switching to sustainable transport options, we can reduce emissions and halt the effects of climate change.

Electrify ussels is the Region's plan to accelerate the transition to electric vehicles, which are currently the least polluting technological alternative for motorists.

Belgium, like much of Europe, is seeing a strong shift towards electric mobility. This change is influenced by the European Union's plan to ban petrol and diesel car sales by 2035 and the wider push to cut carbon emissions from road transport, which accounts for a significant share of the EU's CO2 output.

EV adoption in Belgium is rising quickly. As of 2024, battery electric vehicles (BEVs) make up 3,2% of the country's total fleet, with new registrations surging from 10% in 2022 to 25% in 2024. This growing demand for EVs is putting pressure on the country's charging infrastructure, which has had to scale up rapidly to keep pace.

By the third quarter of 2024, Belgium had 77.443 publicly accessible charging points--a staggering 72% increase from the previous year. This expansion reflects the urgency of providing sufficient charging options for the country's rising number of EV drivers.

A significant aspect of this growth is the rapid deployment of ultra-fast charging stations. These stations, which deliver 100 kW or more, are ideal for drivers looking for quick charging options on longer journeys. In just 12 months, the number of ultra-fast chargers in Belgium has grown by an impressive 119%, underscoring the growing importance of fast charging infrastructure.

Ultra-fast charging has seen a dramatic rise in Belgium, especially over the past two years. As of 2024, there are 3.162 fast chargers installed across the country--an increase of nearly 119% in just one year. These chargers now account for 30% of the total power available from public EV charging points in Belgium, highlighting the critical role they play in meeting the needs of modern EV drivers.

Though Belgium's growth is impressive, it slightly lags behind countries like France, which experienced a six-fold increase in ultra-fast charging infrastructure over the same period. Nevertheless, Belgium's five-fold increase still represents significant progress, showing the country's commitment to building a robust charging network.

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The rapid growth of Belgium's ultra-fast charging network is being driven by an increasingly competitive market. In the past year, the number of charge point operators (CPOs) offering fast charging has doubled, rising from 30 in 2023 to 60 in 2024. However, despite this increased competition, five major players--Allego, IONITY, Tesla, Shell, and TotalEnergies--still control about half of the country's fast charging points.

Local companies are also making their mark in this expanding market. Players like Sparki, Powerland, Optiload, and Smappee are gaining ground, with Sparki standing out for its exclusive focus on ultra-fast charging stations delivering 300 kW or more. Another standout is Electra, a company that entered the Belgian market in 2023 and quickly became a major player by offering a large number of charging points with high power capacity.

While the availability of ultra-fast charging stations is crucial, the actual charging speed depends largely on the vehicle's ability to handle high power levels. Many newer EV models are designed to take advantage of ultra-fast charging, allowing drivers to significantly reduce charging times on long trips. This capability makes these stations particularly valuable for EV drivers who need to charge quickly on the go.

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