



BUHLE POWER

Outdoor power fast charging slows down





Overview

Why is my EV charging so slow?

While slow EV charging might seem like an inherent issue, the reality is that multiple factors contribute to charging speed. Let's break down these factors to better understand why your EV isn't charging as fast as you anticipated and explore practical solutions to ensure a more efficient charging experience.

1. Battery's State of Charge (SOC).

Are you experiencing slower charging speeds in the UK?

You're not alone. Recent data from the UK's Department for Transport shows that 38% of EV owners report experiencing slower-than-expected charging speeds. With the UK's electric vehicle market growing by 40% in 2023 and over 950,000 fully electric vehicles now on British roads, understanding charging efficiency has never been more crucial.

How fast can a rapid charger charge a car?

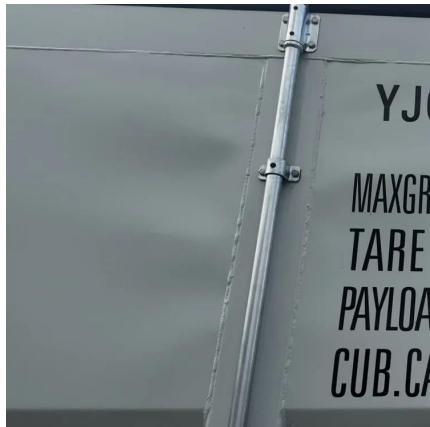
The first phase, known as constant current charging, allows for rapid charging up to about 80% capacity. During this phase, your vehicle can accept maximum power from the charger, which is why you might see impressive charging speeds of 150kW or more on compatible rapid chargers.

Why is charging speed limited?

According to recent research by J.D. Power's 2024 U.S. Electric Vehicle Experience Study, charging speed is limited by two crucial factors: the vehicle's maximum charging capacity and the charging equipment's output power.



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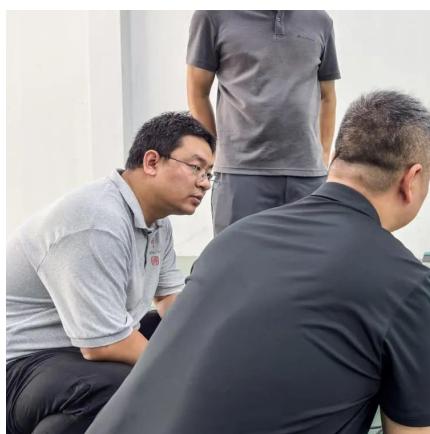


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Summary -- Quick Takeaways Battery health and temperature are major factors in charging speed. Charging station power output and cable condition often limit the charging rate. State of ...

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