

THE EV OWNER STARTER GUIDE

EV RANGE AT A GLANCE

New to electric vehicles, or thinking about buying your first EV?

This guide is designed to help you get started with confidence. It focuses on the topics that matter most once you're a proud EV owner, simple, practical information to support your everyday driving experience.



Understanding EV range helps you drive with confidence and plan smarter. From how far your EV can go on a single charge to what factors affect range day to day, like speed, weather, driving habits, and charging choices. This guide breaks it down in a clear, practical way so you know what to expect and how to get the most out of every charge.



ABOUT THE EV RANGE

Range (also referred to as autonomy) is the distance an electric vehicle can travel on a single full battery charge, and it is usually measured in miles or kilometers.

Knowing your EV's range is important because it helps you:

- › Plan daily driving and longer trips more accurately
- › Reduce range anxiety and unexpected charging stops
- › Understand when and where to charge, especially if you rely on public charging
- › Adjust driving habits to maximize efficiency and battery performance

It's important to remember that range is not a fixed number, it's an estimate that can change depending on driving conditions and habits.

HOW DO I KNOW THE AUTONOMY OF MY EV

You can understand your EV's range in several ways:

- **Manufacturer specifications:** When purchasing your EV, the manufacturer provides an estimated range based on official testing. This serves as a useful benchmark but may differ from real-world performance.
- **Vehicle dashboard:** Most EVs display an estimated remaining range on the instrument panel, which updates based on recent driving behavior and energy consumption.
- **Vehicle or manufacturer apps:** Many EV apps provide detailed insights into battery level, efficiency, and projected range.
- **Daily driving experience:** Over time, you'll develop a realistic understanding of how far your EV can go based on your typical routes and driving patterns.



During the first few drives, it's important to closely monitor your battery performance to better understand how your vehicle behaves in daily use.



HOW LONG DOES IT TAKE TO CHARGE MY EV?

Visit our [charging time calculator](#) to estimate your charging time



FACTORS THAT AFFECT EV RANGE

Besides the range of your EV model, several factors can influence how far your EV can travel on a single charge.

- 1 Driving style:** Abrupt acceleration, high speeds, and frequent hard braking can reduce efficiency.
- 2 Weather and temperature:** Extreme cold or heat can impact battery performance and increase energy use.
- 3 Use of climate and electrical systems:** Heating, air conditioning, seat warmers, and other onboard electronics draw additional power from the battery.
- 4 Vehicle load:** Carrying extra passengers, cargo, or heavy equipment increases energy consumption and reduces range.
- 5 Battery level and age:** Batteries tend to operate most efficiently within certain charge levels, and over time may experience gradual, normal degradation.

DRIVING HABITS & EFFICIENCY TIPS

- ✓ Drive smoothly and steadily.
- ✓ Plan ahead for weather conditions.
- ✓ Anticipate stops and slow down gradually to take advantage of regenerative braking.
- ✓ Use climate controls efficiently and avoid running them at maximum settings for long periods.
- ✓ Reduce unnecessary weight in the vehicle.
- ✓ Maintain an optimal battery level (20% to 80%) and avoid frequent deep discharges.



WHAT IS REGENERATIVE BRAKING?

Regenerative braking turns braking into energy, helping recharge the battery every time you slow down. Visit our [Blog](#) to learn more tips for EV drivers



ABOUT BLINK

Blink Charging stands as a global leader in electric vehicle (EV) charging equipment and services, with more than 112,000 charging stations sold, contracted, or deployed worldwide. By helping expand the EV charging network across the globe, Blink Charging makes it easier for drivers like you to stay charged, confident, and always moving forward.

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