



# Average cost to charge ev

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To give you a ballpark idea of charging costs, we looked at average electricity prices and charging fees across the world and calculated how much it would cost to fully charge an EV with an average size battery of 68 kWh at home, publicly, and if using a fast charging station.

How much it costs to charge an electric vehicle (EV) exactly depends on a range of factors.

This article dives into the details of different types of EV charging, their related costs (and difference compared to gasoline or diesel).

At the bottom of this article, we've created an overview of estimated EV charging costs for 4 popular electric cars in the US, EU, and UK.? [Click here to jump down to our detailed average charging cost overview directly.](#)

The exponentially growing global share of EVs is proof that electric mobility is here to stay - a record 14 percent of new cars sold in 2022 were electric, having more than tripled since 2020. There is no doubt that more and more people today are considering buying an EV than ever before. A crucial question many have before they invest in an EV is how much it costs to charge.

There are many different factors that contribute to the cost of EV charging. For instance, one of the biggest cost differentiators is whether you're charging at home, at a public charging station, or at a fast charging station.

How much it costs to fill a gasoline vehicle depends on the price of gas and the size of the tank. Similarly, charging an EV depends on the price of electricity and the size of the battery.

An EV's battery is measured in kilowatt-hours (kWh), which can be seen as the electric equivalent of a unit of fuel (1 liter or 1 gallon) and usually ranges from 40 kWh on the small side to 100 kWh for larger vehicles. The smaller the battery, the shorter the range, but the faster it is to reach a full state of charge (SoC).

Find out what the battery capacity is of your electric vehicle.

How much both gas and electric cars cost to drive depends on the vehicle's fuel economy. Just like gasoline cars, if your vehicle uses up more fuel, it will cost more. And as the saying goes, "what gets measured, gets managed."

So, how do you measure the fuel economy of electric vehicles?



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Traditionally, fuel economy for gas cars is measured in miles-per-gallon or liters-per-100 kilometers and split depending on whether you're driving in the city or on highways. For EVs, there are similar equivalents for both miles and kilometers:

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