



25 kWh electric vehicle charging

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Calculate how much it costs to charge an electric car from to full capacity or to drive a specific distance by entering the electricity cost and capacity below.

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Most cars today consume fossil fuels like gasoline, diesel, and compressed natural gas. When fossil fuels are burned, they release a ton of CO₂, exacerbating the global environment. In comparison, electricity can be produced and transported easily and locally, making it much cheaper than any other fuel or energy medium. Electric vehicles use this fact to present themselves as an environmentally friendly alternative to fossil fuel cars and a cheaper one too.

Electric vehicles are appealing for their fuel cost savings, but estimating just how much an electric vehicle costs to charge can be a bit tricky. Fortunately, there are some easy formulas that can be used to calculate the cost to charge an electric car.

You can calculate how much it costs to charge a vehicle battery from empty to full capacity by multiplying the capacity of the battery in kilowatt-hours by the electricity cost per kilowatt-hour.

The cost of energy varies, but on average electricity rate is 13.87 cents per kilowatt-hour.[2]. You can find the cost of energy on your electric bill or by using our electricity cost calculator.

As subject matter experts, we provide only objective information. We design every article to provide you with deeply-researched, factual, useful information so that you can make informed home electrification and financial decisions. We have:

Incorporated third-party data and information from primary sources, government agencies, educational institutions, peer-reviewed research, or well-researched nonprofit organizations.

We won't charge you anything to get quotes through our marketplace. Instead, installers and other service providers pay us a small fee to participate after we vet them for reliability and suitability. To learn more, read about how we make money, our Dispute Resolution Service, and our Editorial Guidelines.

As the shift to electric vehicles (EVs) continues, a fundamental question remains: what does it cost to charge



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an EV? On average, it costs \$0.05 per mile to charge your EV, but the price you pay depends on where you live, your electricity source, your EV battery, and more.

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