



Cost of charging ev at public station

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With an electric vehicle, you can skip the lines at the gas stations, but that doesn't mean it's free to fill up. Whether you fill up your electric car at a public charging station or you have an EV charger at home, you'll still need to pay for the electricity. Here's everything you need to know about how much it will cost to charge your EV at Tesla Superchargers, Electrify America, EVgo, ChargePoint, and in-home chargers.

Most public EV chargers in the US will cost between \$0.30 and \$0.60 per kilowatt-hour of electricity you use. While prices will vary depending on location, it should cost anywhere from \$15 to \$30 to fill an electric car to 80%, assuming your battery capacity is 60 kilowatt-hours.

There are some free public charging options, but most locations will either charge by the kilowatt-hour (kWh) or by the minute. Many public chargers will also have "time of use" pricing, which means it will cost more to fill up your EV during peak hours or when demand is higher.

Some states only allow the utility companies to sell electricity by the kilowatt-hour. In Michigan, Nebraska, Tennessee, Wisconsin, and other states, you'll pay for EV charging in tiers. These tiers will be based on how long you spend at the charging station and the maximum charging speed of your electric vehicle.

For example, a short-range Tesla Model Y only charges at a maximum of 170kW. So, if you use a Tesla Supercharger that charges by the minute, you will pay at Tier 3 rates. All long-range Tesla owners can charge up to 250kW, so they will need to pay tier 4 rates.

When it comes to finding a level 3 public charging station near you, there are currently four main options: Tesla Superchargers, Electrify America, EVgo, and ChargePoint.

The rates at every Tesla Supercharger station are different, but you'll typically pay between \$0.40 to \$0.50 per kilowatt-hour. That means it can cost as little as \$20 to charge a short-range Model 3 to 80%. For larger models, like the Model S and Model X, it could cost \$40 or more to charge up to 80%.

Tesla also charges an idle fee to reduce wait times at charging stations. In the US, you need to pay \$0.50 for every minute your electric vehicle is connected to a Supercharger without charging. However, this fee is only applied if the station reaches 50% capacity. When a station is 100% full, the idle fees double to \$1 per minute.

If you own a Tesla, your payment will be automatically processed from your Tesla account after disconnecting from a Supercharger. If you have any other kind of electric car, you'll need to pay using the Tesla app at most stations. However, there are some Superchargers that still accept credit cards or other mobile payment services.

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The rates at Electrify America charging stations vary, but the standard rate for Pass members was recently increased to \$0.48 per kilowatt-hour and \$0.36/kWh for Pass+ members. So, it should cost at least \$18 and \$23 to fill up your batteries to 80%, assuming your EV has a battery capacity of 60kWh.

However, many Electrify America stations are more expensive, so make sure to check out their smartphone app to find out how much it will cost to charge your EV at any location.

Electrify America only charges per kilowatt-hour in 29 states plus Washington. DC. In all other states, you'll need to pay per minute and based on the maximum charging power your electric vehicle can accept. These rates are measured when you plug your EV in, and they don't change until you unplug.

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