

FACT SHEET: BUYING AN EV IN TENNESSEE

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Getting behind the wheel of an electric vehicle (EV) lets you drive the future, today. EVs offer low fuel and maintenance costs, operate whisper quiet, and drive smoothly. Buying an EV also boosts the Tennessee economy as EVs are powered by locally produced electricity, and Tennessee is a national leader in EV and battery manufacturing, with [\\$24.4 billion in private investment](#) and more than [13,200 announced jobs](#).

What Kind of EVs Can I Buy?

Three types of EVs¹ are available right now:

- **Battery Electric Vehicles** don't use a drop of gasoline and run entirely on electricity. They offer a typical range of 300 miles on a single charge, and some models can go up to 500 miles.
- **Plug-in Hybrid Electric Vehicles** can typically drive up to [50 miles](#) on electricity alone and switch to gasoline for longer trips or for high power demands, with a total range of more than 400 miles.
- **Extended-Range Electric Vehicles** are primarily electric but include a small gasoline engine to recharge the battery or generate electricity for the electric motor, extending the vehicle's range to more than 400 miles.

EVs come in all sizes nowadays, including sedans, SUVs, and pickups. More used EVs are available too, with models like the Nissan LEAF, Chevy Bolt, and Hyundai Kona widely available at affordable price points.

Charging an EV in Tennessee

You can charge an EV at three power levels (low, medium, and high):

- **Level 1 charging** uses a standard wall outlet and works well for your short daily commutes. For some people, it is the only kind of charging they [need](#).
- **Level 2 charging** needs special [charging equipment](#) and can recharge an EV from empty to full overnight. Home installation costs [\\$800 to \\$2,000](#), depending on wiring and electrical upgrade needs.
- **DC fast charging** lets you [recharge your EV](#) in 20 to 40 minutes and is most useful on long trips or if you don't have charging at home.

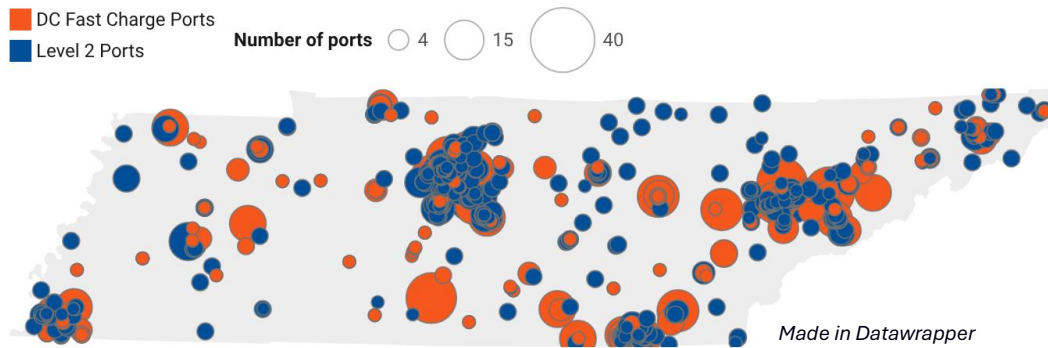
Nearly 90 percent of EV charging [occurs at home](#) using Level 1 or 2 chargers, though public charging [exists across Tennessee and nationwide](#), making it possible for you to go anywhere with your EV. Tennessee has 1,123 public EV charging stations and has had 11 new stations open every month on average. Most stations

¹ Hybrid vehicles, which are powered by gasoline and use an electric motor to improve fuel economy, are not included as EVs.

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have multiple ports (like gasoline pumps), with 2,203 Level 2 charging ports and 943 DC fast charging ports statewide.

Figure 1: Public EV Charging in Tennessee



Source: [Atlas EV Hub](#)

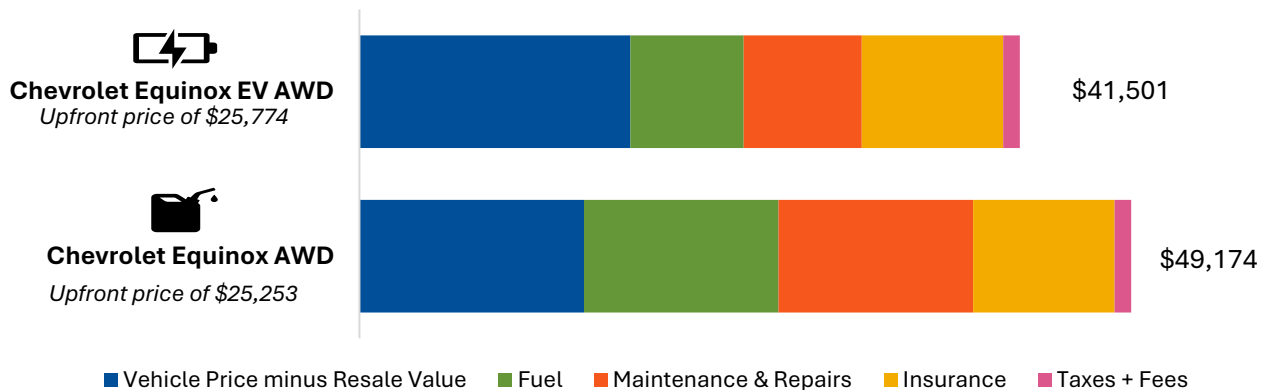
EV Batteries are Built to Last

Modern EV batteries are [built to last](#) the full life of the vehicle. They experience only gradual capacity loss of about [two percent](#) per year and are covered by eight to ten year warranties, typically between 100,000 and 150,000 miles.

EVs Save Money through Lower Fuel and Maintenance Costs

EVs have fewer moving parts, which means no oil changes and [less maintenance](#). There's also [less brake wear](#) due to regenerative braking. A driver who buys a used 2024 electric Chevrolet Equinox can save \$5,670 in fuel costs and \$4,830 in maintenance costs over seven years compared to the gasoline-powered Equinox.

Figure 2: Cost of Owning a Used EV Compared to a Used Gas Vehicle in Tennessee



Analysis with [Atlas Fleet Procurement Analysis Tool](#) over 7-yr period. Gas \$2.98, electricity \$0.13 / kwh, [2025 TN average](#). Vehicle prices from [cars.com](#).