

TESLA FACTS

How far can I drive the Tesla?

- Tesla Model 3 is rated for 300+ miles per charge.

Where can I charge it?

- Tesla has a network of fast chargers available exclusively to their vehicles.
- EV drivers usually charge their cars at home or work and start the day with a full charge, using fast chargers for long trips.

How long does it take to charge if I use a normal wall outlet in my garage?

- Using the same sort of outlet that you would use for a toaster, you can recharge about 50 miles overnight. If you have a 240 volt outlet like those used for electric clothes dryers or ovens, an overnight recharge can be last 200+ miles.

How much energy is does charging to use?

- Most people drive about 15,000 miles per year. The Model 3 and Y can go about 4 miles per kWh, so 3,750 kWh per year. Depending on your electricity rates, this averages to about \$20-50 per month.

How much would it cost to install a faster charger at home? How fast would it charge my car?

- Installing a faster charger at home typically costs \$500-1500. It is more expensive if your charger is far from your breaker panel or if you want a charger with more than the basics.
- The faster chargers are the same as any other 240 volt outlet, recharging 200+ miles of range overnight.
- The really fast chargers like those at Walmart or the Tesla Supercharger Stations can recharge 200 miles of range in under an hour, but they cost \$100k+.

But how much will my electricity bill go up if I charge this car at home?

- \$20-50 per month, depending on local rates and how much you drive.
- Some utilities may offer special rates for charging overnight when electricity demand is low. Talk to your local cooperative or PPD about options that may be available to you.

Can I use the heat in the winter, or does that drain the battery so much that I might not make it to work?

- Gas and diesel cars use waste heat from fuel combustion to heat the cabin. Because electric car motors are much more efficient, there isn't enough waste heat to heat the cabin.
- The current generation of batteries have reduced capacity when they're cold.
- All cars are less efficient in the cold and in the snow.
- All cars are less efficient on winter tires.
- Factored together, your range can be reduced by ~30% on really cold days.

Are EVs offered in all-wheel drive?

- The Tesla Model 3 is AWD and provides exceptional control. Controlling the output of electric motors with electromagnetic fields is faster and smoother than controlling an engine. And since there are two motors, the front and rear wheels can be controlled independently. It feels a bit like magic.

How much does a Tesla Model 3 cost?

- EVs are currently more expensive up front, but they've been holding their value well and their fuel and maintenance costs are lower than gas and diesel cars. There are also tax credits available to qualifying buyers.
- One analysis claiming that a Model 3 is cheaper to own than a Toyota Camry: <https://loupventures.com/tesla-model-3-cost-of-ownership-slightly-cheaper-than-a-camry/>

