



# How to charge an ev at home

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It doesn't matter if your electric car is small or big, new or used, American, Japanese or South Korean, red, blue or purple. Every EV has a plug that you can use to charge at these locations:

As electric mobility gains prominence across the world, charging an electric vehicle (EV) is becoming an everyday activity for many households.

However, while charging an EV at home offers great flexibility and convenience, it is a lot different from refueling a gas-powered car at the pump and -like any new experience- can be daunting at first.

In this article, we'll guide you through every step of the charging process at home so that you can charge with confidence.

If you don't want to read the entire article, you can click on the links below to jump straight to the charging tutorials.

At a fundamental level, charging an EV works much the same way as any electronic device with a battery - an EV needs to be plugged into a power source from which it can draw electricity to recharge its battery.

The simplest way to charge an EV is to plug it into a standard wall outlet: this does not require any special equipment aside from a charging cable that is typically included with the car. However, this is the slowest way to charge and only adds about 4 miles of range every hour. It is also the least safe as there is no protection from your charger overloading your home's electrical circuit and causing damage to your network.

A safer, faster, and more convenient alternative is a dedicated home charger.

The principle remains the same, except that a charging station is installed by an electrician and can handle greater loads of charging an EV. As such, it can deliver much higher power and achieve faster charging speeds than a home outlet.

While using a dedicated home charging station is about 3 to 7 times faster than charging it with your regular outlet, charging on the go at level 3 DC fast charging stations is even faster. Some of these rapid chargers can charge up your car in as little as 15 minutes (depending on the charger's power output and your car's battery).

However, getting this type of speed at your home is simply not possible, as your home's electrical supply cannot deliver the high power required for level 3 fast charging.

Charging at home is the preferred way to charge for 64 percent of EV drivers, and it's easy to understand why.



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