# Dc fast charging at home

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If you have an electric car such as a Tesla (or are considering getting one) and are interested in knowing about the fastest way to charge your vehicle, then this is the article for you!

Before we go any further, we want to ensure that you understand what we mean by the term "DC". You may have heard this abbreviation alongside that of AC… and no, we don"t mean the rock band AC/DC!

DC simply stands for Direct Current. It is in relation to electric current and means that you get the current from the source to the item that needs power directly in just one direction, rather than through an Alternating Current (AC) that reverses direction.

You can use DC fast charging at home (more on this later), or you can hook it up to one of the many DC charging stations around the country. They can be used when you need your car charged quickly as a convenience. For this reason, they are popularly used for long car rides.

DC charging is not typically recommended for constant use. The reason for this is twofold. The first reason is that, generally, DC fast charging is far more expensive than regular AC charging. This is because it costs more to install and use. The second reason is because of the sheer amount of power that is pumped out of a DC charging point.

DC charging points are designed for use now and then, especially when you need a quick, efficient charge in a jiffy! The power that flows from a DC charging point can actually put a strain on the battery of your car that has to handle all this extra energy. In turn, this can reduce the lifespan of your battery and its effectiveness if you use it for long periods of time.

Some of them offer up to 170 miles worth of range for compatible vehicles. In particular, the Tesla Supercharger can do this after being charged on a compatible level 3 charger.

Just like a gas station where you would fill up your traditional car, a DC charging station is a place in which you can "fill up" the battery on your electric car, whether that be a Tesla, Nissan, Chevy, or any other car that you might have.

As we mentioned earlier in the article, DC fast charging is typically used in industrial and commercial settings. This is because of the large expense that is associated with it for installation, and then for use.

So, to answer this question – no.For these reasons, it is not possible (at least at the moment) to install a level 3 DC fast charger in your home. They require a 440-volt DC power supply, and so they are not safe for the majority of homes. However, do not be disheartened, because there are other options!

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Level 1 charging is super simple, and they are the type that is usually provided to you when you first purchase your eclectic car. Typically they are designed with a 110-volt three-pronged plug on one end that you can plug into a point at home, and then a plug that is specific to your electric vehicle to plug into that.

Usually, level 1 takes around 14 hours up to 20 hours to give your vehicle a full charge from a tally dead battery. Of course, this is vastly different from the 3 minutes boasted by DC charging. With this in mind, it is perhaps better to use them daily for top-ups, not allowing the battery to drain to empty.

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