



Charging two electric cars at home

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Power-sharing and load-shedding devices can help you squeeze two separate EV chargers into your home's electrical system--or even the same circuit. A power-sharing setup allows two EV chargers on a single circuit to communicate with each other and share the available electrical capacity without overloading the circuit (which can be unsafe).

Option two is to kit your home with two chargers: now you can fully charge two electric cars at home at the same time! We told you, it's straightforward. ? But there may be some things you don't expect along the way. Here you can figure out which option is really best for you.

Learn how to effectively charge two electric cars at home with this comprehensive guide. From selecting the right charging equipment to managing energy consumption, we'll cover all the information you need to keep both vehicles charged and ready to go.

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First, you'll need to select the right charging equipment to support two vehicles. You'll want to choose a charging station that can handle both vehicles' charging needs simultaneously without sacrificing performance. Look for a dual charging station or a smart charger that can monitor and adjust the charging speed for each car as needed.

Next, you'll need to consider how to manage energy consumption. Charging two electric cars at the same time can put a significant strain on your home's electrical system. To avoid overloading your electrical panel, you may need to install a separate circuit and upgrade your electrical service. Additionally, consider scheduling charging sessions during off-peak hours when energy rates are lower.

Finally, you'll need to develop a system for sharing the charging station between the two vehicles. This could include designating specific days for each car to charge, or using an app or smart charging technology to manage the charging schedule. Make sure to communicate clearly with all drivers to avoid conflicts or misunderstandings.

With these tips in mind, you can confidently set up your charging station to accommodate two electric cars. Enjoy the convenience and savings of electric vehicle ownership without any added stress.

On my strolls in the East Bay, across from San Francisco, I see several EVs on every block. With my neighbors sheltering in place, I am also discovering a lot of driveways with two green vehicles. I never would



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have expected some of the combinations - or all the different ways to set up home charging for two EVs.

Whenever I hear bogus arguments about how the mass adoption of electric cars is going to bring down the entire US electric grid, I point to my neighborhood. When you add these duo-EV houses to all the single EVs, some blocks have 10 to 20 plug-in cars. But what do you know? The grid, and even our local transformers, keep chugging along.

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