Most powerful home ev charger

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Our pick for the best home EV charger overall is the EVIQO Home Charger, which balances performance, durability, and affordability. Its 48-amp output, weatherproof design, and reliable...

The ChargePoint Home Flex EV Charger is our Best Overall Home EV Charger. The excellent ChargePoint app features a user-friendly interface and pinpoints your cost to the penny. Our Best Budget Home EV Charger is the Emporia. Despite its affordable price, it doesn"t sacrifice features.

EV ownership is a big change for drivers accustomed to internal combustion engines. From regenerative braking to single-speed transmissions to charging, owning an electric vehicle comes with a new set of features and responsibilities. The most important of these is EV charging.

Much like plugging in your phone before going to bed, most of your charging is likely to happen at home. Home EV charging is much cheaper and more sustainable than DC fast-charging, and is the logical choice for anyone with access to the right power source.

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After thorough testing, the Gear Team picked seven of the best EV home chargers ranging in price from $300 to $700. These universal level 1 and 2 chargers will work with any EV on the market today. Some boast features like Wi-Fi connectivity, allowing users to monitor charging and control the unit via an app, while others are rugged, no-frills chargers made to last inside and out. Some chargers listed offer variants with slightly different prices.

Level 1: Using 120-volt AC electricity (i.e., a standard household outlet) with an output of roughly 1 kilowatt, one of these devices could take days to charge your EV

Level 3/DC Fast-Charger: Many public chargers are this type, but they're illogical for home use due to their high cost. But just so you know, these chargers use 400- or 800-volt DC electricity to charge with output ranging from 50 to 350 kilowatts, charging a typical EV's battery from 10 to 90 percent in as little as 30 minutes

Before you buy a home EV charger, there are a ton of factors to consider. Will it work with not only your current EV, but will it adapt to any future EVs you may purchase? How much will an EV charger affect your home electricity bill? And most importantly, can your home's electrical system handle the workload? Here's what to think about before buying a home EV charger.

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We highly recommend consulting an electrician and, depending on your confidence in your ability to measure your house's electrical circuit, you may want to take this step first because you will need a certified electrician to verify your home's circuit capacity and install any necessary equipment upgrades.

To charge most EVs overnight while keeping costs down, we recommend at least a modest 40- or 50-amp circuit. To see the maximum your home can handle before blowing its main breaker, check the main fuse in your breaker box for its amperage rating. If you have 150- or 200-amp service or higher, you may have enough wiggle room to add an EV charger without an upgrade. But again--it's always wise to ask an expert.

The charge rate is crucial to estimating how long it will take your EV to charge. Your charge rate will be affected by three factors: the output of your household circuit, your charging equipment, and your electric vehicle's onboard charger.

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