Fastest charger for home use



Fastest charger for home use

Level 1 is extremely slow (think multiple days for a full charge), Level 2 is adequate for at-home use (an EV can charge overnight), and Level 3 is the fastest (a half-hour top-up might...

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 most important decision an electric vehicle owner needs to make--after choosing which EV to buy, of course--is which home charger is the best for their needs.

We'll jump into our recommendations for best home EV chargers first, but past our picks you'll find more information on how to choose the best charger for you.

We're huge fans of the JuiceBox lineup -- in fact, we use one at the office (seen above, commercial version)! It's available in 32-, 40-, and 48-amp versions, depending on your needs. The 32- and 40-amp JuiceBox models can be had either plug-in or hardwired, while the 48-amp model is only available hardwired. We recommend the 40-amp version, which offers up to 9.6 kW and you can choose between a NEMA 14-50 or NEMA 6-50 outlet if you want a plug-in model.

This charger is equipped with Wi-Fi connectivity, so you can control it through a smartphone app, which makes it convenient for you to schedule charging at lower rates. The app will also provide you with notifications when your vehicle is fully charged, and it can even remind you to plug in your vehicle if you're the forgetful type. As a modern solution for a high-tech problem, it's no surprise the JuiceBox 40 is also compatible with Amazon Alexa and Google Home. So yeah, if you want to issue out voice commands to control your charger, go on ahead.

The Emporia home EV charger is less than half the price of some chargers on the market and I was admittedly somewhat skeptical when I had the opportunity to review it. To my surprise, it is a very well designed smart charger packed with all the features you'd expect from a much more expensive unit. In fact, it's the most affordable home EV charger we've tested and it has smart connectivity features, which are typically found on chargers that are priced several hundreds more.

But its affordable price comes with a few sacrifices. The biggest complaint I have about the Emporia EV charger is the included holster. It leaves the connector in an awkward position for removal, and you have to replace the rubber cap every single time you dock the connector. Otherwise, it's facing upward and all sorts of debris can fall into it. Fortunately, you can just purchase a separate holster and not use the one that is included.

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Fastest charger for home use

I also do not like the hard plastic connector, although it is surprisingly similar to the connector found on the Enel X JuiceBox. It's a minor complaint because the connector does seem to be of good quality, but only time will tell how well it holds up to everyday use and occasional accidental drops. Finally, while Emporia's app is packed with great features, I found its design somewhat clumsy and unintuitive.

Overall, the Emporia home EV charger is a very impressive unit, especially when you consider its price. The biggest issue I had with the unit can easily be fixed. It is now undergoing our long-term evaluation to determine whether it belongs in a better spot on our list of recommendations.

If you've paid attention to the electric vehicle industry in the U.S., you may have heard of Electrify America. The company is responsible for building the largest public fast charging network in the country and will be building its first solar farm in Southern California. So it's little surprise that Electrify America offers its own home EV charger, called the HomeStation.

As part of the Electrify Home brand, this EV charger offers up to 9.6 kW of available power at 40 amps, but it does offer flexible amperage so you can choose between 16, 32, and 40 amps. It comes equipped with a 24-foot charging cable and a standard NEMA 14-50 plug. Along with your typical suite of safety features and certifications, the company provides a standard three-year limited warranty.

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