



# Level 2 ev charger install

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In the rapidly evolving landscape of electric vehicles (EVs), the importance of efficient charging infrastructure cannot be overstated. Level 2 EV chargers have emerged as a popular choice for both residential and commercial use, offering faster charging times compared to standard Level 1 chargers. If you're considering installing a Level 2 EV charger, here's a comprehensive guide to ensure a smooth and informed process.

Installing a Level 2 EV charger involves electrical work and should be carried out by a licensed and experienced electrician. Professional installation ensures compliance with safety regulations, proper wiring, and efficient operation of the charging station. Additionally, licensed electricians will facilitate the permitting and inspection process, which is required by most jurisdictions for residential charger installation.

The cost of installation, including permits and inspection, will generally range between \$850 and \$2,000 depending on the combination of factors above, but in some rare situations the cost may be higher.

Level 2 chargers require a higher power supply than regular house hold outlets. It's essential to assess your existing electrical system's capacity and make any necessary upgrades to accommodate the increased load. Often times, and especially in older homes or homes that contain a lot of high voltage appliances (e.g. electric dryer, hot tub, air conditioning), there is not enough capacity or space in the existing electrical panel to accommodate a level 2 EV charger. Homeowners in this situation must choose between a main panel upgrade and load management.

Main panel upgrades increase the capacity of your electrical panel so it can take on a higher load. Main panel upgrades typically cost between \$2,000 and \$4,000 and may take a few months to complete because of required coordination with the utility companies.

Alternatively, load management devices can be used to safely increase the number of appliances wired into your electrical panel without the risk of overloading and causing an outage. They achieve this by automatically throttling your EV charger's energy output based on the remaining available capacity (in amps) in your electric panel. This ensures that you are operating within the safe limits set within your electrical panel. The best part? Load management devices can cost as low as \$200 and generally require less than 30 minutes of a licensed electrician's time.

As electric vehicles continue to gain popularity, the installation of Level 2 EV chargers becomes an increasingly relevant consideration. By working with a licensed professional, choosing the right location, and evaluating your electrical system, you can embark on a smooth and informed journey toward efficient and convenient electric vehicle charging. Stay plugged in to the future of transportation with a Level 2 EV charger that meets your needs and aligns with sustainable living.



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Meet ChargePoint(R) Home Flex, our newest, fastest and most flexible Level 2 home electric vehicle (EV) charger. This installation video contains step-by-step instructions for how to hardwire install ChargePoint Home Flex (station model CPH50). Hardwired installation of ChargePoint Home Flex works with circuits rated 20A to 80A, and is done by easily removing the plug included with the station. Drivers should contact a licensed electrician for ChargePoint Home Flex installation.

Future Energy specializes in providing comprehensive strategies for a diverse range of industries to address their distinctive challenges stemming from the integration of electric vehicle charging, smart energy solutions, vehicle management, lighting systems, and other interconnected technology into their operations.

Future Energy's solutions provide businesses new brand experience and business intelligence capabilities including equipment automation, process insights, and energy control to operate smarter - and greener.

We offer end-to-end solutions from expert planning and equipment supply to specialized installation, connected business intelligent platforms, comprehensive training, and ongoing maintenance support. Unlock the potential of business-integrated smart technologies, data insights and energy control.

Many businesses wish to capitalize on the growing trend toward electric vehicles (EVs), but they aren't sure where to start. It's always best to look holistically at your strategy. What are your goals in incorporating EV charging into your enterprise? What are the particular use cases you wish to address?

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