



What is an EV-Ready Home?

An Electric Vehicle (EV)-ready home provides customers with a convenient outlet for charging an EV.

Studies show that over 80% of EV owners charge vehicles at home. To increase home value and move-in readiness, it is important that homes are pre-wired and include a power outlet to charge a vehicle.

There are a variety of charging options that can be made available.



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EV-READY HOMES





Value to Home Builder:

- Increases attractiveness to buyers and home value
- Low cost during new construction
- Can differentiate you from other builders
- Demonstrates a commitment to the environment
- Shows support of consumer choice
- Green Building Certification points (LEED, ENERGY STAR, Net Zero Homes)

Value to Homeowner:

- No additional cost for charger installation or upgrades to electrical panel
- Saves time by avoiding hiring an electrician to run conduit and wire
- Provides move-in readiness for EV owners

Outlet Types:

120 Volt Electrical Outlet

- 120V/20A outlet
- Charge cord comes with EV
- 5-10 miles of range per hour of charge

240 Volt Electrical Outlet

- 240V/40A outlet
- Charge cord comes with EV or may require the installation of a charging station
- 10-30 miles of range per hour of charge

Locating an EV Outlet:

- Avoid locations requiring the charging cord to be wrapped around or draped over the vehicle
- Ensure overhead doors and objects do not interfere with the vehicle's ability to plug into the outlet
- Different EV models have the connector in different locations; ask the homeowner if they prefer an outlet in the front, back, or middle of garage
- Consider a weather-proof outdoor outlet when there is no garage

EV-Ready Home Options:



EV-Ready Outlet

Install an electrical outlet(s) of 240V/40A in the garage or parking space (raceway, wiring, overprotection devices similar to a dryer circuit)



EV-Ready Outlet with EV Meter

Same as option 1 with a separate meter allowing customers to apply for special time-of-use electricity rates



EV Charging Station

Install a Level 2 EV charging station

