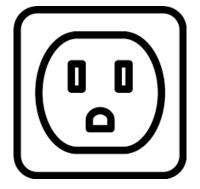
Charging - in a perfect world on the top - more like reality below

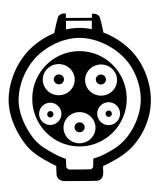
Level one (AC) yes its a standard 110 outlet

1.3 kw (kilowatt)10 hours (a good night sleep)13 kWh or 40 miles



Since fees are hard to collect for level 1 - often free. Bad news - slow and you have to bring your home charger with you. With no fees collected, some locations will be poorly maintained. Level 2 (AC) uses a 220 volt connection

6.6 kw (some are higher) 10 hours 66 kWh or 200 miles



The usual rate is \$.21/kWh. Mostly, you will find a charger that is 6.6 kw. The charger may or may not tell you. Some charging stations that can do two cars at a time can give 6.6 kw to each - some share power and give 3.3 kw to each car.

Considering that most EVs use about 33 kWh to go 100 miles at Interstate speeds and no-one will drain a battery to zero. An EV with a 77 kWh battery will allow you to drive a little more than 2 hours at interstate speeds. (Based on 75% of battery used) After two hours, most of us would appreciate a break for a rest room and a snack. At a DCFC location you could be back on the road in less than a half hour. In two hours both Chicago and ST Louis can be easily reached from CU DC Fast Charge (not AC) sometimes called Level 3 Close to a gas station. Most 150 kw More than 100mi in 15 min 10. Hr -comparison N/A



The usual rate is \$.43/ kWh Charging speed will vary from car to car. (a few) Ford Mach E 115 kw VW ID.4 120kw BMW i3 50 kw Porsche Taycan 400kw Don't worry - your car knows and tells the charger what to give. Also with all cars - the charging speed slows as the battery fills to avoid damage to battery and extend battery life.

How do drivers find them ?

Newer cars include them on the navigation systems.

For myself, I like to look for chargers in the comfort of my home or at a restaurant or coffee shop. Phone Apps. Plugshare finds the most. Chargepoint. ElectrifyAmerica, EVgo, Blink, Supercharger (Tesla), etc. If there is a charging service you like - there is probably an app.