CHARGE NORTH

CHARGING AN ELECTRIC VEHICLE

"BEV" Battery Electric Vehicle (full electric)

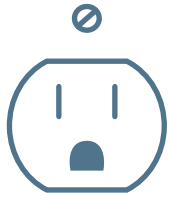
"PHEV" Plug-in Hybrid Electric (both gas & electric motors)

Level 1

stop n' sleep

easy & at home, trickle top up

All BEVs and PHEVs can plug into a standard wall outlet. With just 120V, it is the slowest form of charging (adds 5-10km/hour) but is a convenient at-home solution and may be sufficient overnight charging for most people's day-to-day driving.



Level 2

stop n' shop

slow & steady, explore the town

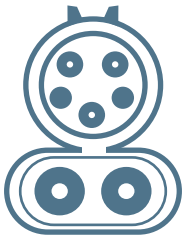
This is the what the plug of a Level 2 charger looks like. It's also called "J1772". All BEVs and PHEVs can plug into Level 2 chargers. They are the most common public charger. This is the type of charger you'd install at home or work. They require 240V, similar to your dryer and add 30-40km/hr (full charge overnight!)

Level 3

stop n' go

quick & powerful, get on your way

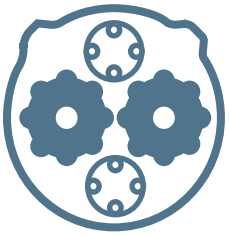
Level 3, or "DCFCs"/ "fast chargers", are the quickest charger, found near major travel routes and add 150-240km/hour. There are two types of plugs on each station (but only one can be used at a time):



CCS

Companies that use the CCS system:

Kia, Chevrolet, BMW, Ford, Rivian, Volkswagen



CHAdeMO

Companies that use the CHAdeMO system:

Nissan, Hyundai, Mitsubishi, Tesla with adapter*

**Tesla uses proprietary charging technology. Teslas can plug into the Level 2 charger, above, and sells an adapter for their cars to use CHAdeMO ports. There are no adapters for other EVs to use Tesla charging stations.*