

Appendix 1: EV Charging Infrastructure and Technology

There are three main types of EV charging.

- Level 1 charging uses a typical 120v outlet and can trickle charge and requires a long period to charge a vehicle, e.g. the duration of a workday or overnight.
- Level 2 charging, with a similar electrical draw as a clothes dryer, provides a higher level of performance, which more quickly charges a vehicle, supporting a better consumer experience and is consistent with recent policy across BC and North America.
- Level 3, also known as DC fast charging, can recharge most EVs to an 80% charge in 30-40 minutes.



Figure 1: EV Charging Types