



Drive Change Fund

Technical Requirements

Vehicle Requirements

Vehicles must be capable of charging from the electric grid.

Electric Vehicle Supply Equipment (EVSE) Requirements

All direct current (DC) fast charging EVSE must:

- Safely charge the intended electric vehicle(s)
- Be listed by a nationally recognized test lab to the requirements of UL 2251 and UL 2594
- Support installation requirements of National Electric Code article 625
- Have an enclosure suitable for the installation location (minimum rating of National Electrical Manufacturers Association [NEMA] Type 3R or 4 for outdoor installations; minimum rating of NEMA Type 2 for indoor installations)
- Conform to Open Charge Point Protocol (OCPP) v1.6 or later
- Offer support for OpenADR 2.0b
- Include network services – able to communicate with a network management system (NMS)

If the DC fast charging EVSE is intended to be publicly accessible, it additionally must:

- Safely charge all electric vehicle makes and models currently operating in North America that are equipped with non-proprietary DC fast charging capabilities:
 - Provide at least one SAE J1772 DC Combined Charging System Type 1 compliant connection
 - Provide at least one CHAdeMO compliant connection
- Provide a charging rate of at least 50 kW
- Accept payment from major credit cards
- Be labeled upon installation with the appropriate Chargeway decals for the charging speed and connector type

All Level 2 EVSE must:

- Safely charge the intended electric vehicle(s)
- Be listed by a nationally recognized test lab to the requirements of UL 2202



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- Have an enclosure suitable for the installation location (minimum rating of NEMA Type 3R or 4 for outdoor installations; minimum rating of NEMA Type 2 for indoor installations)
- Conform to Open Charge Point Protocol (OCPP) v1.6 or later
- Offer support for OpenADR 2.0b
- Include network services – able to communicate with a network management system (NMS)

If the Level 2 EVSE is intended to be publicly accessible, it additionally must:

- Safely charge all electric vehicle makes and models currently operating in North America that are equipped with a standard connector
 - Provide at least one SAE J1772 connection
- Provide a charging rate of at least 6.2 kW
- Be labeled upon installation with the appropriate Chargeway decals for the charging speed and connector type