Prepare your Home or Business for Electric Vehicles

Thinking about purchasing an electric vehicle? Make sure your home or business is prepared for electric vehicle charging.

### Charging Types

Charging types vary based on the amount of electricity used and how fast they charge.

- **Level 1**: 120v. Standard home outlet. 3-5 miles of range per hour
- **Level 2**: 240v. Requires EV charger installation. 10-20 miles of range per hour
- **Level 3**: Available at businesses only. 80% charge in 20-30 minutes

**FIRE AND SHOCK HAZARD**: Never use an extension cord when charging electric vehicles. Doing so may lead to fires or electric shocks.

### Prepare your Home or Business

- **Have a qualified electrician complete a site assessment to ensure your home or business has the right electrical capacity for EV charging**
- **Ensure you have enough space for an EV charger**
- **Make sure your charger and charging cords are certified by a Nationally Recognized Testing Laboratory (NRTL)**
- **Make sure you have adequate GFCI protection to avoid electrical shocks**
- **All EV charger installations and site assessments should only be completed by qualified electricians who have been trained and are insured and bonded to complete electrical work**

### Use and Maintenance

- **Follow manufacturer’s instructions when charging electric vehicles**
- **Properly store charging cables to avoid damage which could lead to electric shocks and fires**
- **Cover EV charging stations to avoid water damage. Refer to manufacturer guidelines for more information**
- **Make sure EV chargers are properly maintained. Avoid vehicle contact with chargers and never use a charger with visual damage**

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