



# MOR-EV

Massachusetts Offers Rebates for Electric Vehicles

# Electric Vehicles 101

## Why drive an electric vehicle (EV)?

Driving an electric vehicle offers tremendous benefits...

**Clean energy, national security and fuel savings** – Use domestically produced electricity that costs 1/3 less than foreign oil

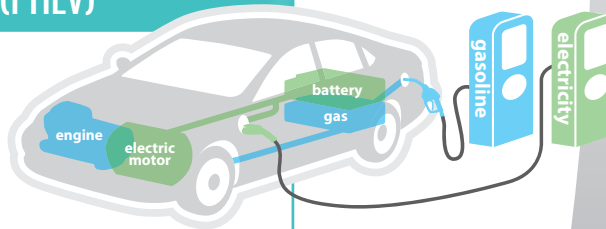
**Driver satisfaction** – Experience instant torque, quick acceleration and a whisper quiet and simple drivetrain with fewer moving parts to repair or replace

**Environmentally friendly** – Fewer greenhouse gases and smog-producing pollutants than a gas-powered vehicle

## What are the different types of vehicles?

### Plug-in hybrid electric vehicle (PHEV)

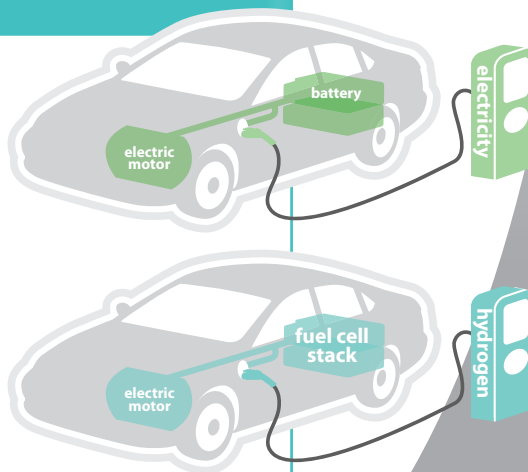
Uses both an electric motor, powered by a battery, and an internal combustion engine that runs on gasoline and can be plugged in to an electrical outlet to recharge



### Zero-emissions vehicle (ZEV)

All of the following vehicles have zero tailpipe emissions.

- **Battery electric vehicle (BEV)** – uses an electric motor powered by a battery
- **Fuel cell electric vehicle (FCEV)** - uses a fuel cell, instead of a battery, or in combination with a battery or supercapacitor, to power an electric motor
- **Zero-emission motorcycle (ZEM)** – electric motor two- or three-wheeled vehicle



## Are there different types of charging stations?

### Charging Types

#### Level 1 (120 volt)

Typical household outlet

#### Level 2 (240 volt)

Household outlet used for electric dryers

#### DC Fast Charge (480 volt)

Commercial chargers used for quick charging

## How long does charging take?

### Charging Time

Level 1 = 6 hours

Level 2 = 2.5 hours

**DC Fast Charge** = 30 minutes for an 80% charge

Based on 24-kilowatt-hour battery going from empty to full

### Public Charging

For a list of Level 2 and DC Fast Charging stations, visit:

- [plugshare.com](http://plugshare.com)
- [afdc.energy.gov/stations](http://afdc.energy.gov/stations)
- [na.chargepoint.com/charge\\_point](http://na.chargepoint.com/charge_point)

## Additional information about EVs and EV rebates

Massachusetts Offers Rebates for Electric Vehicles

[mor-ev.org](http://mor-ev.org) | 866-900-4223

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for Electric Vehicles

## About MOR-EV

**Massachusetts Offers Rebates for Electric Vehicles** (MOR-EV) provides rebates of up to \$2,500 to Massachusetts residents toward the purchase or lease of a new electric vehicle. Rebates are available to private individuals—businesses, fleets and other entities are not eligible.

### Eligible vehicles

For a complete list of eligible models, visit [mor-ev.org/eligible-vehicles](http://mor-ev.org/eligible-vehicles)

Types of vehicles qualifying for a rebate include:

- Battery electric vehicles
- Fuel cell electric vehicles
- Plug-in hybrid electric vehicles
- Zero-emission motorcycles

### How to apply for a rebate

- 1 Visit [mor-ev.org/eligible-vehicles](http://mor-ev.org/eligible-vehicles) to find an eligible vehicle that suits your needs
- 2 Within three months of purchasing or leasing an eligible vehicle, return to [mor-ev.org/eligible-vehicles](http://mor-ev.org/eligible-vehicles) and click the 'Apply Now' button next to the vehicle you've purchased/leased
- 3 Follow the online instructions to accept the terms and conditions and submit your application information
- 4 Follow instructions in the confirmation email for submitting your purchase/lease documents
- 5 Once approved, you'll receive your rebate check in the mail

### Administration and funding

MOR-EV is funded by the Massachusetts Department of Energy Resources (DOER) and administered by the Center for Sustainable Energy. MOR-EV aids in the state's goal to reduce greenhouse gas emission levels by providing consumer incentives for low- and zero-emission vehicles.

Visit [mor-ev.org/funding](http://mor-ev.org/funding) for real-time funding availability.

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