



experience electric

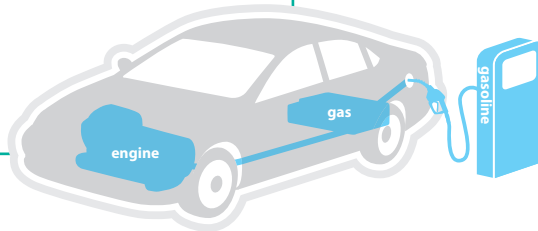
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Electric Vehicles 101

What are the Different Types of Vehicles?

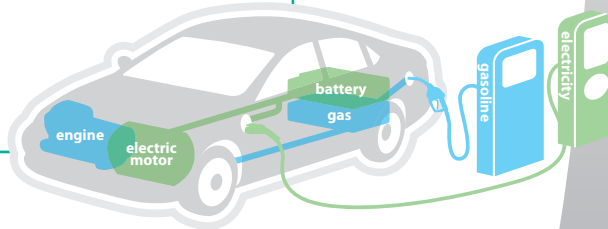
Internal Combustion Engine Vehicles (ICE)

Vehicles that are propelled by an engine which solely relies on the combustion of gasoline or other fuel as a power source



Plug-in Hybrid Electric Vehicles (PHEV)

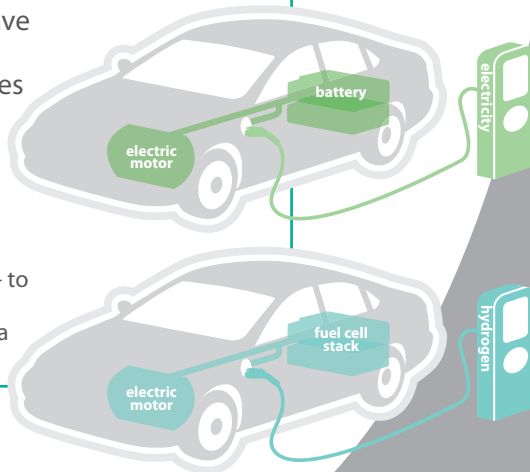
Hybrid vehicles that can plug into the grid so they can operate on electricity as well as an internal combustion engine



Zero Emissions Vehicles (ZEV)

California certified vehicles that have zero tailpipe emissions, including battery and fuel cell electric vehicles
Other ZEVs may include:

- **Neighborhood Electric Vehicles (NEV)** Low-speed electric vehicles with four wheels and a weight of 3,000 pounds or less
- **Zero Emission Motorcycles (ZEM)** Two- to three-wheeled electric vehicles meeting the California Vehicle Code definition of a motorcycle



Are there different types of charging stations?

How long does charging take?

Charging Equipment

Level 1 (120 volt) -

Typical household outlet utilized for small duty appliances

Level 2 (240 volt) -

Typical household outlet utilized for heavy duty appliances

DC Fast Charge (480 volt) -

Commercial chargers used for quick public charging

Charging Time

Level 1 = 6 miles of range per hour of charge

Level 2 = 10-15 miles of range per hour of charge

DC Fast Charge = 80% charge in 30 minutes*

*Based on 24 kilowatt-hour battery

Public Charging

Network of charging stations across the state including Level 2 and DC Fast Charging

For a list of charging stations please see:

www.carstations.com or
www.recargo.com

For Further Information

California Center for Sustainable Energy
(858) 244-1177



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