

What is an E-Bike?

It's a bicycle with a boost! Electric bikes are just like traditional bikes but with a battery and a motor that maximize your cycling effort.

Why get an E-Bike?

Electric bikes are rapidly becoming a popular form of safe, environmentally friendly transportation. With zero emissions, cost savings, and a variety of styles, e-bikes are an excellent clean mobility alternative to EVs.

Cost of an E-Bike

E-bikes start around \$1,500, with lots of models in the \$2,000-\$4,000 range.

E-Bike Incentives/Grants

Thanks to the rise of bike culture, there are a growing number of grants and discount vouchers available for e-bikes and e-bike accessories! Income-eligible California residents can apply for e-bike incentives through Clean Cars 4 All, Replace Your Ride, or California E-Bike Incentive Project. Benefits vary across each incentive type.

E-Bikes 101: General Overview

Two Types of E-Bikes

- **Throttle + Pedal-Assist:** Throttle + Pedal Assist bikes can be powered by pedal-assist or by pressing the throttle.
- **Pedal-Assist:** Pedal-Assist bikes sense when the pedal is pushed and provide extra power to help.

Battery

Powers the motor for anywhere from 20-80 miles.



Controller

You select how much support you want from the motor. The handlebar-mounted screen also tells you the speed and miles left in the battery.

Motor

Automatically senses when you pedal and helps you push. May be located in the middle between the pedals or in the front or back wheel hub.

Charger

Plugs into a regular wall outlet. Recharges battery in 2-5 hours for less than a penny a mile.

