



# EVehicles360 - How does electric car work?



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**Website:- [evehicles360.com](https://evehicles360.com)**

## How does electric car work?

Electric cars function by plugging into a charge point and taking electricity from the grid. They store the electricity in rechargeable batteries that power an electric motor, which turns the wheels. Electric cars accelerate faster than vehicles with traditional fuel engines – so they feel lighter to drive.

## Advantages of Electric Vehicles

- They feel lighter to drive.
- You can install EV charging units in your home garage to recharge your electric car instead of going to a gas station.
- They help reduce your carbon footprint as they do not emit harmful CO2 emissions.
- Since EVs have fewer mechanical parts, they don't require maintenance and servicing as frequently as needed for petrol cars.

- Because electricity is cheaper than fuel, the running costs of EVs are less compared to petrol cars.
- They are also incredibly fast and make less noise.
- You can enjoy certain tax benefits if you buy an EV using a personal loan.

## **Disadvantages of Electric Vehicles**

- The range of EVs, or the distance a car can cover before needing a recharge, can be a problem. They can only cover a few km daily.
- Installation of Level 2 charging stations at home can be an added expense.
- There is less service availability for EVs than petrol cars.
- EV battery replacement costs can be hard on the pocket. However, a battery has a pretty long shelf life of 10 years.

## **Future of Electric Vehicles**

- The future of battery electric vehicles depends primarily upon the cost and availability of batteries with high specific energy, power density, short charge time and long life, as all other aspects such as motor, motor controllers, and chargers are fairly mature and cost-competitive with internal combustion engine components.
- Li-ion, li-poli and zinc-air batteries have demonstrated specific energy high enough to deliver range and recharge time comparable to conventional vehicles.