

Electric Vehicle Benefits and Considerations

Are you considering replacing your petrol or diesel-powered car with a modern electric vehicle? If so, you would be making an economical and eco-friendly decision.

Traditional petrol and diesel fuels add massive carbon emissions to the atmosphere. Furthermore, fuel costs continue to rise due to global conflicts and limited fossil fuels and resources. That is why there is no better time to switch to an electric vehicle than now.

Electric vehicles are the future of the world. They offer numerous benefits you probably never realized before. Are you curious to learn what they are?

Below are the top seven benefits and considerations of electric vehicles.

1) Eliminate or Reduce Fuel Costs

All-electric vehicles eliminate the need for petrol and diesel fuel because they use electric motors to generate power for the wheels and suspension system. They have no internal combustion engines whatsoever.

As a result, you'll never have to visit another fuel station and pay expensive fuel prices ever again. Instead, you can charge your electric vehicle at a public charging station or home EV charge point.

Consider this statistic: The average American motorist spends about \$100 monthly on fuel. But if you had an electric vehicle with a 60 kWh (kilowatt-hour) capacity battery pack, it would only cost you about \$8 worth of electricity to fully recharge it. That \$8 of electricity could allow you to travel over 200 miles before needing another recharge.

Are you thinking about getting a hybrid vehicle? Hybrid electric cars are not entirely electric because they still depend on gasoline for faster highway driving and electric for slower city driving.

However, a hybrid electric vehicle can significantly reduce fuel costs when driving around your town or city. But whether you choose an electric or hybrid, the fuel economy and cost savings are far superior to a petrol or diesel vehicle.

2) Reduces Carbon Emissions for a Healthier Planet

All-electric vehicles do not release toxic carbon emissions because they don't have internal combustion engines burning fuel.

Everyone deserves to live in a healthy world with clean air to breathe. Reducing carbon emissions is a sure way to establish a healthier and safer planet for the future.

Otherwise, the rise of global warming and natural disasters will only worsen for people on Earth.

The world's air would be much cleaner if everyone switched to electric vehicles. Scientists say it's not too late to save the planet if we begin the transition to electric vehicle use now.

3) New Public Charging Stations

One of the biggest worries amongst electric vehicle owners is the lack of public charging stations. Since there are not nearly as many public charging stations as gas stations, people worry about taking long trips or running out of power before finding a charging station.

Fortunately, these worries are a thing of the past because new public charging stations are constructed regularly. The rising number of electric vehicle owners has put more pressure on government agencies and municipalities to build public charging stations in cities and towns nationwide. It will eventually reach a point when public charging stations are as common as gas stations, if not more common.

In addition, you can now install home-based electric vehicle chargers for your electric vehicles. These chargers connect to your primary electric utility line and allow you to charge your electric car from home. With this setup, you could operate an electric vehicle in a rural environment without needing a nearby public charging station.

4) Lower Purchase Prices for Electric Vehicles

It is no secret that electric vehicles were expensive when first introduced to the automobile marketplace. But now, you can find electric and hybrid vehicle models for under \$30,000. Two examples are the Toyota Prius Prime and the Nissan LEAF.

If you had a choice between purchasing a gasoline or electric vehicle at around the same price range, why not choose the latter? Not only would you save money on fuel, but you can take advantage of numerous government incentives too.

For example, the United States offers a federal tax credit of between \$2,500 and \$7,500 to anyone who purchases a new electric vehicle. You can receive a tax credit for plug-in hybrid vehicle purchases, but it is not as much as the credit for an electric car.

Your state government or local electric provider may also offer incentives for purchasing electric vehicles. All these incentives provide significant compensation for buying an electric car. They make it well worth the purchase price.

5) Easier Maintenance Responsibilities

Electric vehicles are much easier to maintain than diesel or petrol-powered vehicles because they have fewer moving components and don't require oil changes. On top of that, most electric cars have regenerative braking systems to reduce the strain and wear put on the brakes. Because of this, your brake pads should last a long time.

The typical maintenance requirements are simple things like adding air to the tires, replacing windshield wipers, replacing wiper fluid, and washing the vehicle. These are things you could do yourself quickly without the need for professional assistance.

6) Regenerative Braking Systems

A regenerative braking system captures kinetic energy from the vehicle's motion and converts it into power for its battery. This process reduces energy loss and promotes better fuel economy for hybrid vehicles by allowing you to keep your car battery powered longer.

All-electric vehicles can travel a more extended driving range with a regenerative braking system. The kinetic braking energy is sent to the battery pack to increase the power supply and allow you to continue driving longer before recharging.

7) Long-Lasting Battery Packs

Many electric vehicle manufacturers offer a warranty of eight years or 100,000 miles on their battery packs, whichever comes first. You can expect modern electric vehicle battery packs to last between 100,000 and 200,000 miles before replacing them.

Moderate driving may allow you to keep your electric car battery for 10 to 15 years before needing a replacement. That is perfect for local town or city drivers who don't often take long trips anywhere.

Most importantly, you won't need to purchase another vehicle for a long time because the battery pack and electric motor have better longevity than an internal combustion engine.

Get Your Electric Vehicle Today

Visit your local electric vehicle dealership to find the perfect make and model for your budget and driving needs. Then, you can contribute to protecting the environment, saving money, and incentivizing others to do the same.