

Visualization Tool for Electric Vehicle Charge and Range Analysis

Advantages of Electric Vehicles (EVs) in India

The fact that the running cost of Electric Vehicles (EVs) is cheaper compared to that of four-wheelers featuring an Internal Combustion Engine (ICE) has led to an increase in electric cars in India. But, is it only the running cost benefit or do EVs offer more? Read on to find out the advantages of electric vehicles over their fuel-powered counterparts.

1. Lower running costs

Since you are not paying for petrol or diesel to keep your EV running, you save a lot of money on fuel. The cost to charge an electric vehicle compared to the price of petrol or diesel is substantially low. You can reduce the electricity cost further by utilising renewable energy sources such as solar.

2. Low maintenance costs

Petrol or diesel-powered vehicles require regular maintenance since they have multiple moving parts. That's not the case with electric vehicles since they have comparatively lesser moving parts. This means that your electric car is likely to have lower maintenance costs in the long run.

3. Tax and financial benefits

With India embracing the inclusion of EVs, the government offers several policies and incentives to encourage the usage of such vehicles. For instance, the registration fees and road tax on purchasing EVs are lesser than ICE vehicles.

4. Better performance

In the past, EVs were seen as impractical. However, that has changed over the years, with manufacturers offering well-designed and good-looking EVs. Even the performance of EVs has changed for the better. Electric Vehicles are lighter in weight, and their acceleration is impeccable compared to fuel-powered vehicles.

5. Zero tailpipe emissions

EVs emit zero tailpipe emissions, helping reduce the carbon footprint. You can further reduce your carbon footprint by utilising renewable energy to charge your EV.