

Today when the world is thriving to use day by day new technology everywhere, Electric Vehicles must be the future means of transport. Pollution, growing demand for fuel, Global Warming, promoting eco-friendly means of transport are some of the reasons for promoting electric vehicles.

Electric Vehicles are means of transport that consume eclectic energy as fuel instead of traditional fuels such as petrol, diesel, and CNG. These vehicles may be powered through a collector system by electricity from off-vehicle sources or maybe inbuilt with a battery, solar panels, fuel cells, or an electric generator to convert fuel to electricity. Electric bikes, electric cars, electric rickshaws, etc. are some examples of electric vehicles. Most of the trains including metros are already running worldwide through electricity.

An electric vehicle uses one or more electric motors or traction motors for propulsion. The power of a vehicle electric motor, as in other vehicles, is measured in kilowatts (kW). Usually, direct current (DC) electricity is fed into a DC/AC inverter where it is converted to alternating current (AC) electricity and this AC electricity is connected to a 3-phase AC motor.

EVs can be made more or less efficient, polluting and expensive to run, by modifying the electrical generating stations. This would be done by an electrical utility under a government energy policy, in a timescale negotiated between utilities and government. New efficiency and pollution standards rely on the purchase of new vehicles, often as the current vehicles already on the road reach their end-of-life. EVs will take advantage of whatever environmental gains happen when a renewable energy generation station comes online.