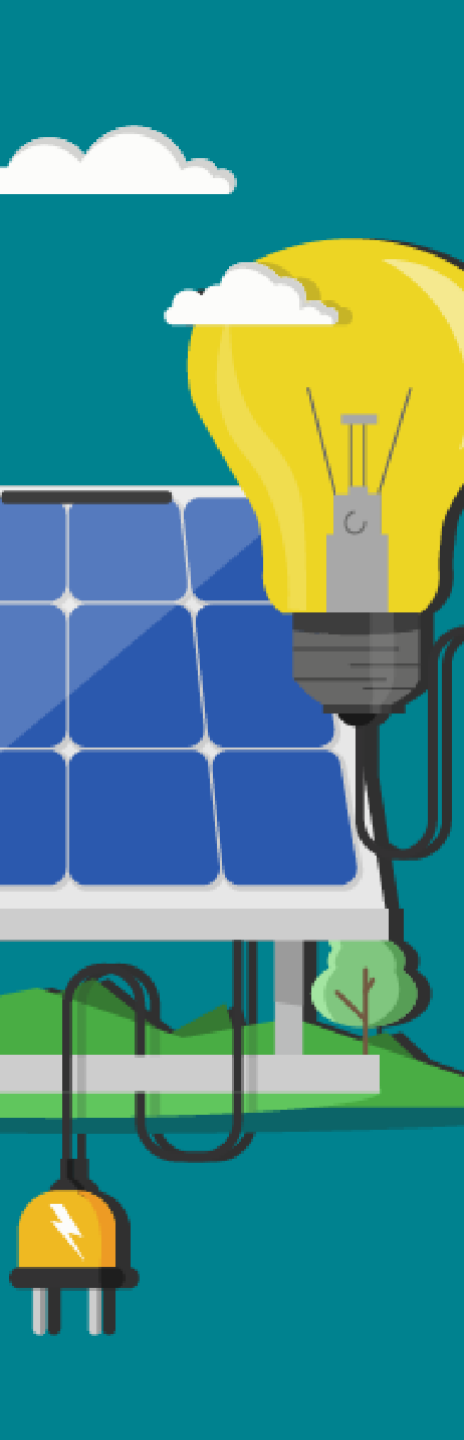
EV model with solar & wireless charging



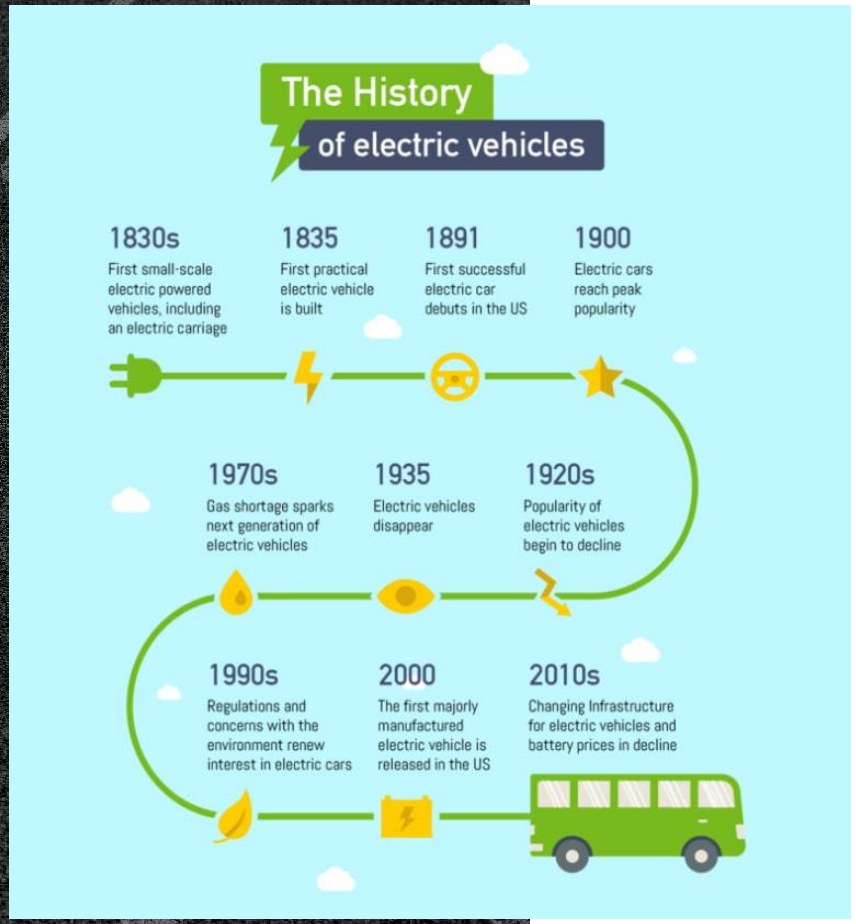
Amey V. Chougule

INTRODUCTION

An electric vehicle (EV) is one that operates on an electric motor, instead of an internal-combustion engine that generates power by burning a mix of fuel and gases.

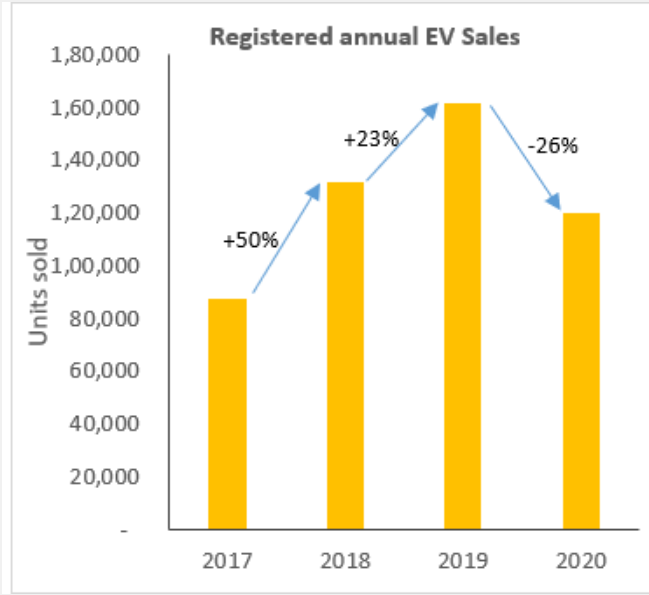
HISTORY OF EV

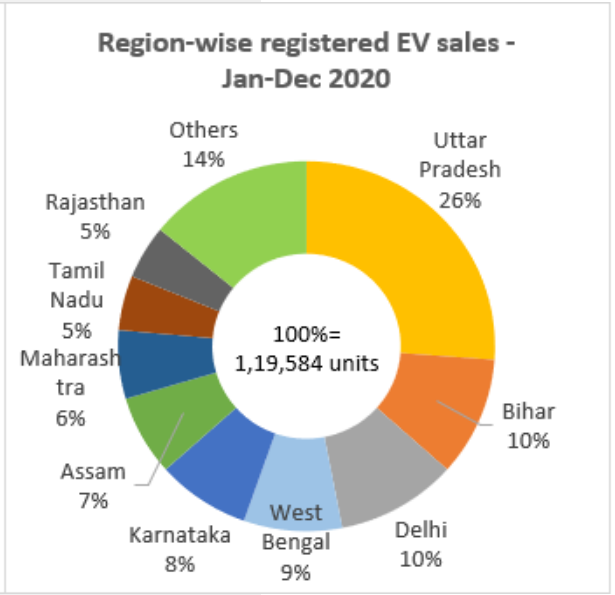
Electric vehicles (EVs) originated in the 19th century and experienced significant advancements in the late 20th and early 21st centuries, driven by environmental concerns and technological progress. Today, EVs are increasingly popular due to improved battery technology, government support, and growing awareness of their benefits, revolutionizing the automotive industry.



MARKET TREND

- According to the International Energy Agency, the number of electric cars on the road worldwide reached 7.2 million in 2019, and it is projected to reach 140 million by 2030.
- The trend towards electrification is not limited to passenger vehicles, companies such as Rivian and Tesla entering the market with electric delivery trucks.





SOLAR CHARGING

Solar charging refers to the process of using solar energy. It can be used as a supplement to traditional grid-based charging or as a standalone solution in remote locations where grid-based charging is not available.

WIRELESS CHARGING

- Wireless charging refers to the process of charging an electric vehicle (EV) without the need for a physical connection or charging cable.
- Wireless charging is designed to make charging EVs more convenient and user-friendly. By eliminating the need to plug in a charging cable, it can make charging an EV as simple as parking it.

INTEGRATING SOLAR AND WIRELESS CHARGING

Integrating solar and wireless charging can provide a comprehensive solution for charging EVs, combining the benefits of renewable energy and user-friendly technology to make EVs more practical and appealing to a wider range of consumers.

BENEFITS OF SOLAR / WIRELESS CHARGING

Solar Charging

- Reduces dependence on the grid.
- Cost savings.
- Increased range.
- Increased sustainability

Wireless Charging

- Convenience.
- Increased charging speed.
- Improved safety.
- Increased versatility.

CONCLUSION

Electric vehicles (EVs) have the potential to revolutionize the transportation sector by reducing dependence on fossil fuels and contributing to a cleaner and more sustainable transportation system. To achieve this potential, it is important to provide a convenient and sustainable solution for charging EVs.


THANK
YOU