

THE HISTORY OF THE TESLA ECOVEHICLE

The first attempts to create a cart with an electric motor took place in the middle of the XIX century, and the first records of speed and range were set on them. Enthusiasts from many countries carried out the development independently, and it is impossible to say who invented the electric car first.

However, the main undertakings for Tesla were the works of the legendary Serbian physicist Nikola Tesla, after whom the company is named. The secrets of his inventions disappeared without a trace after his death, including the principle of powering the electric car he created in 1931.

Tesla Inc. is an American multinational automotive and clean energy company headquartered in Austin, Texas, which designs, manufactures and sells electric vehicles, stationary battery energy storage devices from home to grid-scale, solar panels and solar shingles, and related products and services.

Contrary to popular belief, Tesla was not an overnight success. The company was founded in 2003 by two Silicon Valley engineers Martin Eberhard and Marc Tarpenning, who sought to make electric cars that were fast and fun to drive.

The first car from the company was launched in 2006; the model was called Tesla Roadster. It is impossible to say that the results were significant; nearly 3,000 cars were sold.

Model S is available in several configuration options, differing in battery capacity. Other characteristics of the car depend on it.

The new model of the Tesla, model X electric car was announced in September 2015 in Las Vegas, sales started in late 2016. The crossover has a panoramic windshield, six passenger seats and one driver's seat.

The rear doors of the electric car open vertically; the manufacturer calls this implementation Falcon Wings, like the wings of the bird.

Before selling the cars, the company built a network of Supercharger charging stations and service stations. This was one of the reasons for the success of the next model, which the company announced in 2009, although they began to be produced only in 2012.

Nothing is perfect; these cars also have some advantages and disadvantages. We can say that the following factors are advantages and disadvantages of TESLA eco car.

Advantages include:

A 17-inch touchscreen monitor vertically located to the right of the driver, from which all functions and devices of the car are controlled.

Spacious interior, flat floor without transmission channel, two trunks due to the absence of an engine under the hood.

Increased safety provided not only by eight airbags, but also by the overall body structure. The car passes all crash tests with 5 out of 5 possible stars.

Disadvantages are as follows:

For the average consumer, the price is the main disadvantage. Depending on the configuration and model, today a car can cost from 35 to 142 thousand dollars.

Lack of a network of charging stations, which can be a serious problem on a long trip.

But Tesla, as part of its secret to success, continues to focus on creating electric cars and making electric vehicle (EV) powertrain systems and components. As of 2022, the company has a network of 438 stores and galleries as well as about 100 service centers. The company offers more than 50,000 Superchargers worldwide as of 2024.

REFERENCES

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