



ADVANTAGES AND DEVELOPMENT PROGRESS OF MODERN ELECTRIC CARS

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Annotation:

This article cites the negative impact of road cars on the environment, its consequences, the popularization of modern types of electromobiles and its advantages. Moreover, in our country, the latest innovations in the field of electric cars and measures for the further development of this industry will be discussed.

Keywords: internal combustion engine (IYoD), electric car, electric motor, electric transformers, green economy.

We live in the 21st century, which is developing in seconds today. It is not for nothing that this century is called the age of glabalization, the age of Science and technology. Taking the transport sector alone, the series has underground changes in recent years. The transport sector in Uzbekistan was only in the development cycle in the 1990s[1]. At the same time, there is not a single sector of our economy that does not use transport. However, it is advisory to use the most optimal of them at a time when the need for such transport networks has increased. That is, we need to replace cars with internal combustion divigatels, which we have used extensively in past years, with electric cars of a modern type. It is only because of the negative effects of road cars on the environment and human health. In particular, we can example those below:

- 1) more than 200 harmful gases are released directly into the atmosphere as a result of fuel combustion in Road Cars[2].
- 2) the harmful gases above cause climate change as a result of pollution of nature and the erosion of the azon layer in the atmosphere. As an example of this situation, we can see that the air pollution of the city of Tashkent reached a record high in this year.(Figures 1 and 2).



Figures 1



Figures 2

3) in addition to these, it has been proven in science that noise from cars also has a serious impact on human health.

4) the provision of fuel for passenger cars not only in our country, but also around the world creates the problem of fuel shortages. This, in turn, is one of the problems that makes us all think.

It is not at all an exaggeration to say that the introduction of the concept of an “ electric car ” into our lives in such a troubled period has come to life. What is the original electric car? What is the principle of its operation? What are its advantages?

Electric car -- rechargeable is a car made up of one or more electric motors. It consists of several electrical components such as electric motors, hurricanes, transformers and a controller[4]. Its advantages are that it does not emit tons of exhaust gases into the environment and does not adversely affect nature[5]. The absence of noise and unpleasant odors during movement further increases the degree of advantage of this car. In addition, electric cars are also distinguished by their affordable fuel consumption. For this reason, it should be said that they are called “ Cars of the future”.

In recent years, special attention is paid to the widespread use and production of electric cars even in our country. In particular, we can say the decision of President Shavkat Miromonovich Mirziyoyev of December 19, 2022 “ on measures to support the organization of electric cars by the state ”PQ-443[6]. The main essence of the decision is also to reduce the volume of harmful gases released into the air by introducing green technologies into all areas, supporting the production of electric cars and their components. (1-jadval)



Table 1.

Nº	Years in cross section	Number of imported electric cars
1	2018	13
2	2019	39
3	2020	131
4	2021	809

As of 2023, 5,403 electric cars with a value of 167 million dollars have been brought, and this figure is 4.85 barovars more than in the same period last year[7]. All this means that a new sphere(the electric car sphere)has entered and is developing in our country.

In conclusion, we need to increase the number of electromobiles in our country not by import, but by production in ourselves. To do this, we also need to create our national model in the field of electric cars using foreign experiments. Relevant government decisions and decrees have been signed in this regard. We hope that soon these actions will bear fruit!

Literature Used

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