

МІНІСТЕРСТВО ОСВІТИ І НАУКИ УКРАЇНИ
СУМСЬКИЙ ДЕРЖАВНИЙ УНІВЕРСИТЕТ
КАФЕДРА ІНОЗЕМНИХ МОВ
ЛІНГВІСТИЧНИЙ НАВЧАЛЬНО-МЕТОДИЧНИЙ ЦЕНТР

МАТЕРІАЛИ ІХ МІЖВУЗІВСЬКОЇ
НАУКОВО-ПРАКТИЧНОЇ КОНФЕРЕНЦІЇ
ЛІНГВІСТИЧНОГО НАВЧАЛЬНО-МЕТОДИЧНОГО ЦЕНТРУ
КАФЕДРИ ІНОЗЕМНИХ МОВ

“TO MAKE THE WORLD SMARTER AND SAFER”

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ELECTRIC CARS

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Electric car is a car driven by one or more electric motors, powered by an independent source of electricity (batteries, fuel cells, and so on) rather than an internal combustion engine.

Electric car appeared before the internal combustion engine came into use. The first electric car as a truck with an electric motor was established in 1841. Initially, the speed of the electric and gasoline cars was about the same. The first electric car used lead battery of Bari system, which had 36 cans (voltaic posting). It demanded recharging every 64 km. The total capacity of the car was 4 horsepower. Development of the crew was borrowed from the model of the American firm "Morris Salom," which had been producing vehicles since 1898. Electric car changed speed from 1.6 to 37.4 km / h. They used motor working from AC for recharging. It rotated the generator shaft, to which the batteries of the electric car were attached. In recent years, due to the continuous rise of oil prices, electric cars began to gain popularity again. In the CBS News report "Could The Electric Car Save Us?" it is said that in 2007 the industrial deployment of electric cars was re-started.

The Advantages of electric cars include:

- Absence of harmful emissions at the location of the car
- The ability of charging from the electric mains (outlet)
- Low fire- or explosion- proof in the case of accident
- Higher reliability in comparison with other cars

The Disadvantages of electric cars include:

- The hard process of production and disposal of batteries
- High cost of lithium batteries or high weight of the batteries
- Low mileage of electric car on a single charge
- The considerable weight of batteries