

We work closely with JSC BelVTI, which collects waste from electronic equipment, including electric vehicle batteries, but does not have technologies for their ...

The project, a joint venture between Belarus and Rosatom, focuses on creating a factory capable of handling the entire production cycle of lithium cells. This includes manufacturing electrolytes, plates, packaging, and ...

This year, a pilot batch of Belgee E-X50 electric vehicles will be produced, they will pass all tests, and starting from next year, serial production should be launched. For the experimental model, the Industry Ministry ...

Belarusian scientists see potential in the development of lead-acid batteries. The joint Institute of mechanical engineering of the NAS of Belarus presented the experimental plot ...

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Hybrid energy storage systems (HESS) are used to optimize the performances of the embedded storage system in electric vehicles. The hybridization of the storage system ...

BMW i3 and its lithium-ion battery: how it works Most modern electric cars use lithium-ion batteries for longer range, like the Jaguar i-Pace Electric vehicles (EVs) normally store the batteries ...

SOCHI, 22 November (BelTA) - Rosatom is interested in advancing cooperation with Belarus in the area of energy accumulators for electric vehicles, BelTA learned from Director of OOO ...

This article's main goal is to enliven: (i) progresses in technology of electric vehicles" powertrains, (ii) energy storage systems (ESSs) for electric mobility, (iii) electrochemical energy storage ...

The 26 KWh Li-ion battery produced by RENERA enables a maximum travel range of 100 kilometers. The battery can be charged using a standard 220V outlet. The charging process takes 6 to 10 hours. Since electric ...

Electric-vehicle batteries may help store renewable energy to help make it a practical reality for power grids, potentially meeting grid demands for energy storage by as early as 2030, a new study ...

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In the context of global CO<sub>2</sub> mitigation, electric vehicles (EV) have been developing rapidly in recent years. Global EV sales have grown from 0.7 million in 2015 to 3.2 ...

The working name of the Belarusian electric vehicle is BelGee eX50. At the first stage, five absolutely identical prototypes will be produced for series testing. This is a kind of ...

This paper designs a robust fractional-order sliding-mode control (RFOSMC) of a fully active battery/supercapacitor hybrid energy storage system (BS-HESS) used in electric ...

How much does it cost to replace an electric car battery? If an electric vehicle battery fails or falls below a certain capacity -- usually about 70% -- the replacement cost is ...

We work closely with JSC BelVTI, which collects waste from electronic equipment, including electric vehicle batteries, but does not have technologies for their disposal. The point is not just in neutralisation, but also ...

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