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For Namibia, Opuwo had represented one of the country"s few forays into the cobalt space, at a time when the global push for electric vehicles and energy storage solutions is creating ...

According to a study by Chen et al. (2021), nickel content in batteries significantly increases their overall energy storage capacity, which is crucial for applications like electric vehicles (EVs).

Abstract Electric vehicles (EVs) are becoming increasingly popular, but their widespread adoption is still limited by issues such as short battery life and limited driving range. To address these ...

To help executives think through the possible effects of higher tariffs, we considered three potential tariff scenarios and their likely impact on the supply chain across five clean-energy technologies--solar, onshore wind, offshore ...

What Are High Power Batteries and How Do They Work? High power batteries are energy storage devices designed to deliver high currents quickly. They are commonly used in applications requiring rapid bursts of energy, such as ...

The Green Transition Metals (GTM) market is experiencing robust growth, driven by the accelerating global shift towards renewable energy and electric vehicles. The market"s expansion is fueled by increasing demand for metals crucial to ...

General Motors (GM) is supplying both used and new electric vehicle batteries to Redwood Materials, which is converting them into stationary energy storage systems, the companies ...

US President Donald Trump has declared his disdain for electric vehicles (EVs) and with sales disappointing, carmakers who invested heavily in battery production could follow General ...

Understanding Electric Car Lithium Batteries Lithium batteries for electric cars are advanced energy storage solutions that utilize lithium-ion chemistry, providing lightweight, high-capacity ...

With the escalating global demand for sustainable transportation, Fuel Cell Electric Vehicles (FCEVs) have emerged as a prominently researched domain. In light of this development, an ...

United Nations -- Electric vehicles are linked to a crisis in the Democratic Republic of the Congo (DRC). Mining operations lead to deforestation, pollution, and food insecurity. They also ...

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Press Release, 23 July 2025 Southwest Research Institute (SwRI) has successfully completed its ambitious eight-year-long connected and automated (CAV) vehicle technology project. As part ...

Samsung SDI develops batteries for electric vehicles, portable electronics, and energy storage systems. The company is investing in solid-state batteries, which promise greater energy ...

Zambia and the Democratic Republic of Congo (DRC) are sitting on a treasure trove of minerals essential for electric vehicle (EV) production. The DRC, for instance, leads the world in cobalt ...

The Trojan T-105 Plus 6V Flooded Battery is a deep-cycle lead-acid battery designed primarily for electric vehicles requiring sustained power delivery, including golf carts, low-speed industrial ...

NXP launched BMx7318, a lithium-ion battery cell controller IC. It is an analog front-end product made to monitor battery cells in electric cars and energy storage systems (ESS). It can ...

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