



New generation batteries

The new EV battery boasts a pure electric range of over 1,000 km (621 miles) under CLTC conditions and ultra-fast charging in just 10 minutes. BYD Blade Battery 2.0 delivers 1,000+ km of EV

BYD will unveil its second-generation blade battery and flash-charging technology on March 5 in Shenzhen to reverse sales declines and enhance electric range.

We are entering a new era of tech innovation driven by intelligent hardware platforms - innovation catalyzed by several converging factors in the tech ecosystem that are enabling both

Chinese electric vehicle giant BYD has introduced a major upgrade to its battery technology, unveiling the second-generation Blade Battery as it attempts to regain momentum in

The second-generation Blade Battery can charge rapidly from 20% to 97% in under 12 minutes, even at minus 20 degrees Celsius (minus 4 degrees Fahrenheit), delivering ?a driving range

Explores research trends and identifies key areas for innovation in next-generation battery technologies. Discusses battery applications in EVs, renewable energy storage, and portable

Gotion is accelerating the commercialization of its next-generation batteries, with the design work for its 2-GWh all-solid-state battery line now largely complete.

Explore next generation batteries, their types, applications, and future outlook in this beginner's guide to advanced and sustainable battery

This article reviews direct recycling methods for common cathode and anode materials of spent lithium-ion batteries, demonstrates the feasibility of the recycling technology based on the

Owing to increasing demand for low-cost energy storage with secure material supply chains, the battery community is approaching a pivotal shift

Also LMP battery from BlueSolutions was offered as an option in the past. The new battery generation NMC4 for the Mercedes eCitaro range - succeeding the current NMC3 technology by

This short review provides an overview of recent advancements in next-generation battery storage systems mainly on the alternate to Li-ion battery, focusing on innovations in battery

A new study has revealed how tiny imperfections and vibrations inside a promising quantum material could be



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used to control an unusual quantum effect, opening new possibilities for smaller, faster ...

Chinese electric vehicle giant BYD has introduced a new generation of its Blade Battery technology as the company seeks to strengthen its position in the rapidly evolving electric vehicle

Chinese carmaker BYD's chairman, Wang Chuanfu, unveiled the second-generation Blade Battery, featuring rapid charging capabilities even in extreme cold. Designed for longer ranges,

Swedish battery technology company Holvolt is making a bold move to accelerate next-generation battery development, acquiring U.S.-based materials innovator Wildcat Discovery

While the previous generation of 314Ah cells enabled 5MWh systems, the 587Ah cell has pushed this to 6.25MWh and 7MWh configurations. The 684Ah cell further extends this capability to

BEIJING/SHANGHAI, March 5 () - Chinese carmaker BYD's chairman Wang Chuanfu on Thursday launched the second-generation of the Blade Battery, with what he says is a "disruptive";

More than three decades after their invention and subsequent commercialisation, lithium batteries have dramatically reshaped modern

Explore the future of energy storage. Discover how iron-air batteries, salt-based chemistries, and AZO's material processing expertise are shaping

This article offers a comprehensive review of new-generation battery technologies. The topic is approached from the perspective of applications,

In this article, we will explore cutting-edge new battery technologies that hold the potential to reshape energy systems, drive sustainability, and

BEIJING/SHANGHAI, March 5 (Reuters) - Chinese carmaker BYD's chairman Wang Chuanfu on Thursday launched the second-generation of the Blade Battery, with what he says is a "disruptive";

The Next-Generation High-Performance Battery Market was valued at 6.08 billion in 2025 and is projected to grow at a CAGR of 6.33% from 2026 to 2033, reaching an estimated 9.94 billion

The Australian electricity grid has closed out the summer of 2025-26 with a month of new renewable generation records - not from solar, but from the nation's wind assets.



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