

Bulgarian energy storage and solar developer Sunotec has acquired the Lazas Solar Park utility-scale solar-plus-storage site, and Bristol-based Aura announced the sale of its ready-to-build ...

Dielectric composites play a crucial role in meeting the growing demand for high-energy-density capacitors that can operate effectively in challenging environments. These applications include aerospace power management, ...

A view of iron-chromium flow batteries. The new energy storage technology is a good fit for large-scale energy storage applications due to their good safety record, cost performance and environmental friendliness.

...

Specific applications driving growth include advanced composites in automotive and aerospace, energy storage solutions (batteries and supercapacitors), and water purification technologies, ...

Lithium metal batteries (LMBs) have become a revolutionary technology for electrochemical energy storage, attracting significant interest in the new energy sector due to their exceptional ...

The material's combination of reasonably high specific capacitance and excellent cyclic stability underscores its potential as an efficient electrode material for energy storage devices.

The Battery Management System (BMS) chip market is experiencing robust growth, driven by the escalating demand for electric vehicles (EVs), energy storage systems (ESS), and portable ...

Humanity faces significant challenges related to water pollution and energy storage, prompting scientists to develop multifunctional materials. In this context, metal oxide materials have ...

The Electric Double Layer Capacitor (EDLC) electrolyte market is experiencing robust growth, driven by the increasing demand for energy storage solutions in various applications, including electric vehicles (EVs), hybrid electric vehicles ...

The sodium-ion rechargeable battery market is poised for significant growth, driven by increasing demand for sustainable and cost-effective energy storage solutions. While precise market sizing data is absent, considering the ...

In the quest for advanced energy storage systems, supercapacitors have emerged as a potential candidate due to their rapid charge-discharge rate, high power density, and extended cycle ...



# Riga specific energy storage applications

The market segmentation is expected to evolve significantly in the coming years. While specific segment breakdowns are unavailable, we anticipate growth in sectors such as grid-scale ...

European renewable energy provider SUNOTEC has finalized the acquisition of SIA DSE Lazas Solar's solar and energy storage project in Latvia from Danish Sun Energy. This transaction ...

These evolving demands have stimulated extensive research into advanced materials design, novel electrode and electrolyte chemistries, and smart device architectures across a wide ...

The advances in crystal orientation engineering in energy conversion (electrocatalysis, solar cells, and nanogenerators) and storage (metal anodes, non-metal-based electrode materials, and ...

Direct air capture (DAC), as a complementary strategy to carbon capture and storage (CCS), offers a scalable and sustainable pathway to remove CO2 directly from the ambient air. This study presents a detailed evaluation of the amine ...

In order to strengthen the development of offshore wind technologies in Latvia, which are critical for the European Union supply chain, this year the Freeport of Riga Authority has started the ...

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