

According to the requirements of the notice, the recommended data center must meet a series of strict and clear indicators. Among them, the second level and above of the "Green Data Center ...

In July 2020, the Virginia Clean Economy Act went into effect, setting the commonwealth on a path towards zero-emissions in its energy production by 2050. The lofty goals were designed ...

Power Conversion System (PCS) serves as the "engine" of the energy transition, offering real/reactive power regulation, grid-connected/off-grid switching, and energy storage integration.

The precise regulation of distributed energy storage resource pools can enhance the capacity to stabilize the peak-valley load difference of the power grid, mitigate load fluctuations, ensure ...

On July 4, 2025, President Donald Trump signed H.R. 1, titled the One Big Beautiful Bill Act (the Act). The Act significantly modifies certain energy tax provisions in the Inflation Reduction Act ...

Agência Nacional de Energia Elétrica (ANEEL), Brazil's electricity regulator, will publish initial energy storage regulations in the second half of 2025, with two additional consultation ...

The integration of isobutane in energy storage solutions faces several significant challenges that hinder its widespread adoption and optimal utilization. One of the primary obstacles is the ...

On July 4, 2025, President Trump signed into law the One Big Beautiful Bill Act (H.R. 1 119th Congress) (OBBBA), which significantly changes the clean energy tax credit landscape established by the Biden administration pursuant to the ...

The sulfide-based solid electrolyte market is experiencing significant growth, driven by the increasing demand for safer and higher-performing batteries in electric vehicles (EVs) and ...

This paper establishes a joint clearing model for energy storage participation in electricity and frequency regulation markets, optimizing power resource allocation through market-oriented ...

To meet the growing demand for energy storage in applications such as electric vehicles, energy grids, and electric aircrafts, it is essential to develop batteries that offer both high energy ...

Hybrid inverters that integrate battery storage must comply with both solar and energy storage regulations, which can differ significantly. Ensuring seamless operation and compliance across ...



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On July 4, 2025, President Trump signed into law the One Big Beautiful Bill Act (the OBBB), which significantly rolls back many of the core tax incentives that clean energy projects have relied ...

Daniel Danna, rapporteur for regulator the Agência Nacional de Energia Elétrica's (ANEEL) Public Consultation 39, of 2023, told Brazil's Chamber of Deputies initial energy storage rules would ...

Struggling to understand how Energy Storage Systems (ESS) help maintain grid stability? This in-depth, easy-to-follow blog explores how ESS regulate frequency and manage peak loads, ...

The Clean Electricity Investment Tax Credit under Section 48E of the Internal Revenue Code (IRC) represents a pivotal incentive for advancing zero-emission electricity generation and ...

Phase-change microcapsules offer significant advantages for thermal energy storage and regulation. However, conventional mechanical agitation fabrication methods encounter ...



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