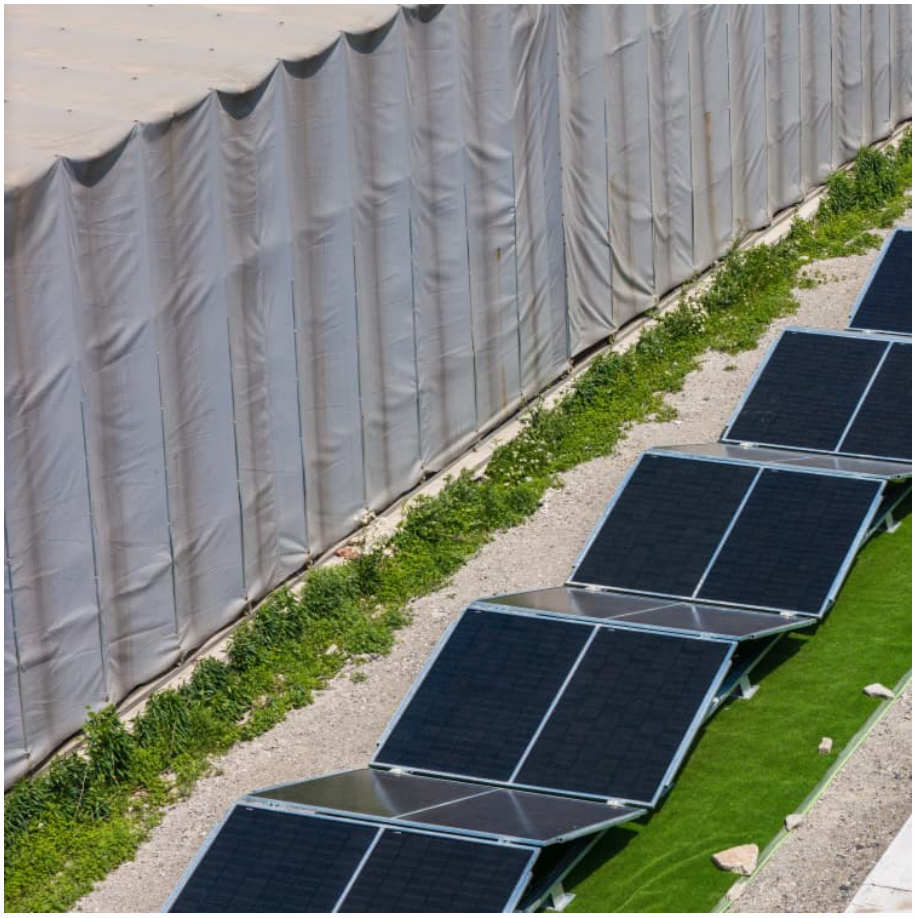
HJ Solar Energy

Interpretation of the national battery energy storage policy



Overview

On September 12, 2025, the National Development and Reform Commission (NDRC) and the National Energy Administration issued a notice on the "Action Plan for Large-Scale Construction of New-Type Energy Storage (2025–2027)," explicitly listing solid-state batteries as a key technology for development.

On September 12, 2025, the National Development and Reform Commission (NDRC) and the National Energy Administration issued a notice on the "Action Plan for Large-Scale Construction of New-Type Energy Storage (2025–2027)," explicitly listing solid-state batteries as a key technology for development.

The policy aims to achieve large-scale application of semi-solid-state batteries and finalize the technology for all-solid-state batteries by 2027, helping to boost new-type ESS installations to over 180 million kW and drive direct investment of approximately 250 billion yuan. SMM September 17.

ating battery storage systems. This report outlines key considerations and recommendations for policymakers reparing for BESS development. States and municipal governments should clarify which entities hold siting authority, develop safety guidance, adopt updated fire codes, build pathways for.

Establishing a domestic supply chain for lithium-based batteries requires a national commitment to both solving breakthrough scientific challenges for new materials and developing a manufacturing base that meets the demands of the growing electric vehicle (EV) and stationary grid storage markets.

Recognizing that Battery storage will be vital for integrating renewables, enhancing grid flexibility, resilience, and affordable off-grid energy in support of accelerated clean energy transitions, Leaders agreed at the UN Climate Ambition Summit in New York in September 2023 to coordinate efforts.

China aims to install more than 100 GW of new energy storage – primarily battery storage, excluding pumped hydro – by 2027, according to a new action plan presented by authorities on Friday. The “Special Action Plan for Large-Scale Construction of New Energy Storage (2025-2027)” released by the.

China, which already boasts the world's largest energy-storage capacity, is set to nearly double that level by 2027, with an anticipated investment of 250 billion yuan (US$35 billion), according to Beijing's latest action plan. As outlined in the action plan, China's "new-energy storage system". How does the European Union prioritize batteries?

The European Union has prioritized batteries under the European Commission's industrial policy through the European Battery Alliance, which launched in 2017 and developed a strategic plan to secure battery manufacturing and access to critical materials across the entire supply chain.

Why is energy storage important for the Defense Department?

Accessed May 26, 2021. In addition to the economic imperative for a competitive EV and advanced battery sector, the Defense Department (DoD) requires reliable, secure, and advanced energy storage technologies to support critical missions carried out by joint forces, contingency bases, and at military installations.

Should lithium-based batteries be a domestic supply chain?

Establishing a domestic supply chain for lithium-based batteries requires a national commitment to both solving breakthrough scientific challenges for new materials and developing a manufacturing base that meets the demands of the growing electric vehicle (EV) and electrical grid storage markets.

Are lithium-based batteries a viable industrial base?

A robust, secure, domestic industrial base for lithium-based batteries requires access to a reliable supply of raw, refined, and processed material inputs along with parallel efforts to develop substitutes that are sustainable and diversify supply from both secondary and unconventional sources.

What is the future of battery technology?

By 2030, the United States and its partners will establish a secure battery materials and technology supply chain that supports long-term U.S. economic competitiveness and equitable job creation, enables decarbonization, advances social justice, and meets national security requirements.

How will lithium-ion batteries impact the future?

By 2030, the United States and its partners will establish a secure battery

materials and technology supply chain that supports long-term U.S. economic competitiveness and equitable job creation, enables decarbonization, advances social justice, and meets national security requirements. Lithium-ion batteries are pervasive in our society.

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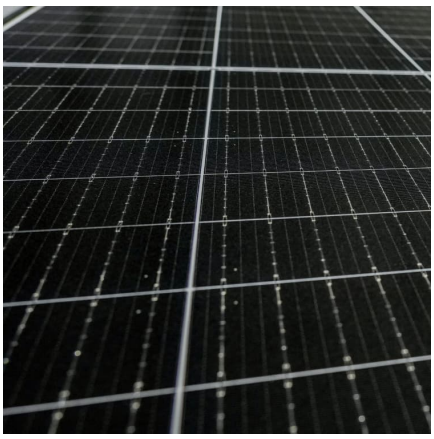


EXECUTIVE SUMMARY Key Findings

Key Findings States and municipalities should clarify which entities hold siting authority, develop safety guidance, adopt updated fire codes, build pathways for meaningful community input, and ...

Interpretation of ndrc energy storage

What is the 'guidance' for the energy storage industry? Based on the above analysis,as the first comprehensive policy documentfor the energy storage industry during the '14th Five-Year Plan' ...

Belize Energy Storage Project Subsidy Policy Interpretation

The Long Duration Energy Storage program invests up to $330 million into the demonstration of non-Lithium-ion energy storage technologies and projects to implement long duration energy ...

China to supercharge energy-storage tech with world ...

2 ???· New plan calls for expansion of energy-storage applications, including more projects in desert areas and at retired coal-fired power plant

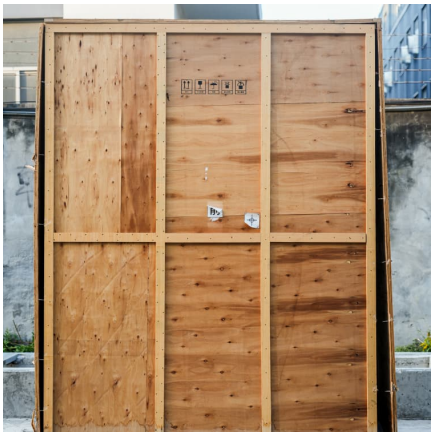
sites.

[What is battery storage? , National Grid]

Battery storage technologies are essential to speeding up the replacement of fossil fuels with renewable energy. Battery storage systems will play an ...

[Battery Policies and Incentives Search]

Use this tool to search for policies and incentives related to batteries developed for electric vehicles and stationary energy storage. Find information related to ...



Interpretation of the latest national energy storage policy documents

What are energy national policy statements? Energy National Policy Statements provide planning guidance for developers of nationally significant energy infrastructure projects. The energy ...

[Grid-Scale Battery Storage: Frequently Asked Questions]

Is grid-scale battery storage needed for renewable energy integration? Battery storage is one of several technology options that can enhance power system flexibility and enable high levels of ...

[Battery Energy Storage Systems Report]

This information was prepared as an account of work sponsored by an agency of the U.S. Government. Neither the U.S. Government nor any agency thereof, nor any of their employees, ...

Energy policy regime change and advanced energy storage: A ...

This paper employs a multi-level perspective approach to examine the development of policy frameworks around energy storage technologies. The paper focuses on ...

[Final FEOC Guidance 4.18.2024_GS signed_website.pdf]

This document, concerning the Interpretation of Foreign Entity of Concern, is an action issued by the Department of Energy. Though it is not intended or expected, should any discrepancy ...

Energy Storage Policy: Observations

The 2023 state survey provides insights into key state energy storage policy priorities and the challenges being encountered by some of the leading decarbonization states.

[Energy storage policy analysis and suggestions in China]

Moreover, it addresses the recent change in the direction of the energy-storage policy for the State Grid and China Southern Power Grid and analyzes the primary problems existing in ...

[Battery energy storage in the NEM: Key trends in 2025]

The Energy Storage Summit Australia took place on 18th and 19th March 2025 in Sydney. On day one, Modo Energy's Country Director Wendel discussed the ...

[Energy Storage: Frequently Asked Questions]

What do we mean by Energy Storage Resources (ESRs)? ESRs are capable of receiving energy from the electric grid, and storing it for later injection back onto the grid. ESR technology ...

Interpretation of the "14th Five-Year Plan" New Energy Storage

New energy storage is an important equipment foundation and key supporting technology for building a new power system and promoting the green and low-carbon ...

China targets 180 GW of new energy storage by 2027 in ...

5 ???· China aims to install more than 100 GW of new energy storage - primarily battery storage, excluding pumped hydro - by 2027, according to a new action plan presented by ...

[National Energy Storage Policy Interpretation Video]

What is the 'guidance' for the energy storage industry? Based on the above analysis, as the first comprehensive policy document for the energy storage industry during the '14th Five-Year ...

[Interpretation of energy storage policy]

Only batteries used solely to store energy for individual households will be eligible for the deduction.,,The Swedish Tax Agency must immediately reconsider its interpretation and the ...

Battery Storage Unlocked: Lessons Learned From Emerging ...

To further peer-learning under the Clean Energy Ministerial's Supercharging Battery Storage Initiative, this report showcases lessons learned and shares best practices for accelerating ...

[Energy Storage: Frequently Asked Questions]

What do we mean by Energy Storage Resources (ESRs)? ESRs are capable of receiving energy from the electric grid, and storing it for later injection back ...

[National battery energy storage policy]

For the most part, battery energy storage resources have been developing in states that have adopted some form of incentive for development, including through utility procurements, the ...

[BCI Policy Recommendations , Battery Council ...]

BCI has published a briefing for legislators that provides recommendations to create jobs, support domestic battery manufacturers, and defend the domestic ...

Energy storage will play a critical role in India's energy ...

The government recently published a national framework for energy storage systems (ESS) to promote the adoption of energy storage in ...

Decoding Energy Storage Policy: A Roadmap for the Clean Energy

A world where solar panels work overtime during sunny days, storing excess energy for cloudy afternoons like a squirrel hoarding nuts for winter. That's the promise of ...

[New DoE framework puts energy storage at heart of ...]

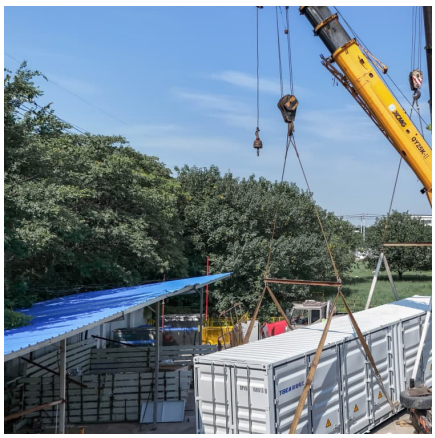
The DOE has already held four events to address policy gaps in the document with stakeholders and further events featuring public consultations. ...

[Interpretation of Dubai s new energy storage policy]

Creative Commons Attribut Energy Storage Solutions:. At SunnySide, we understand that energy storage is crucial to meet growing energy demands worldwide.Our team of experts is here to ...

[SMM Analysis] Analysis of the Cancellation of Mandatory Energy Storage

The notice clearly stipulates the cancellation of the mandatory energy storage policy for new energy projects, marking the exit of the administrative energy storage ...



[Interpretation of energy storage battery models]

This study offers a thorough analysis of the battery energy storage system with regard to battery chemistries, power electronics, and management approaches. This paper

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