

# Energy storage is a national strategy





## Overview

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The underlying motivation for DOE’s strategic investment in energy storage is to ensure that the American people will have access to energy storage innovations that enable resilient, flexible, affordable, and secure energy systems and supply, for everyone, everywhere.

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BEIJING, Sept. 12 -- China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ensure the stability of new-type power systems. The country aims to achieve more than 180 million.

China aims to add 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 National. Does the energy storage strategic plan address new policy actions?

This SRM does not address new policy actions, nor does it specify budgets and resources for future activities. This Energy Storage SRM responds to the Energy Storage Strategic Plan periodic update requirement of the Better Energy Storage Technology (BEST) section of the Energy Policy Act of 2020 (42 U.S.C. § 17232 (b) (5)).

Why are energy storage resources important?

Energy storage resources have become an increasingly important component of the energy mix as traditional fossil fuel baseload energy resources transition to renewable energy sources. Currently 23 states, plus the District of Columbia and Puerto Rico, have 100% clean energy goals in place.

Why is Doe investing in energy storage?



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What is the energy storage strategy & roadmap (SRM) update?

This draft Energy Storage Strategy and Roadmap (SRM) update conforms to the language set forth in the “Energy Storage System Research, Development, and Deployment Program” as required by the Better Energy Storage Technology (BEST) section of the Energy Policy Act of 2020 (42 U.S.C. 17232 (b) (5)).

Why are energy storage technologies important?

They are also strategically important for international competition. KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council (‘CEC’) released the New Energy Storage Technologies Empower Energy Transition report at the 2023 China International Energy Storage Conference.

What is the implementation plan for the development of new energy storage?

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.



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### **U.S. Department of Energy Hydrogen Program and National ...**

Dr. Sunita Satyapal Director, Hydrogen and Fuel Cell Technologies Office, and DOE Hydrogen Program Coordinator U.S. Department of Energy

### [Energy Storage Strategy and Roadmap, Department ...](#)

The underlying motivation for DOE's strategic investment in energy storage is to ensure that the American people will have access to energy storage ...



### **Germany: Energy storage strategy -- more flexibility and stability**

The strategy paper provides an overview of the measures and challenges involved in establishing energy storage systems. The energy storage strategy aims to promote ...

### **Germany 'puts electricity storage on political agenda for first time'**

The German government published its Electricity Storage Strategy in December, with a comment period for trade associations closing yesterday.



### [Battery Energy Storage Breakthrough in Saudi Arabia](#)

Saudi Electricity Company Secures Major Battery Energy Storage Projects Saudi Electricity Company has secured two major battery energy storage projects in northern ...



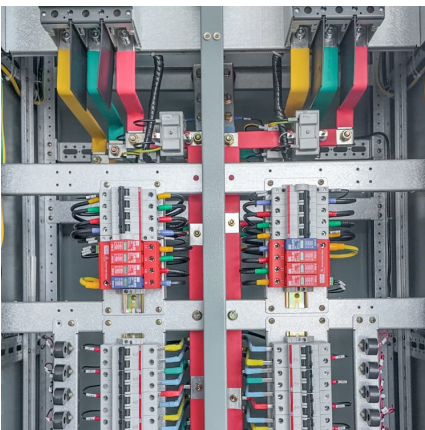
### **China unveils three-year action plan to boost new-type energy ...**

5 ???· China on Friday unveiled an action plan to promote the development of new forms of energy storage between 2025 and 2027, amid efforts to support green energy transition and ...



### [National Blueprint for Lithium Batteries 2021-2030](#)

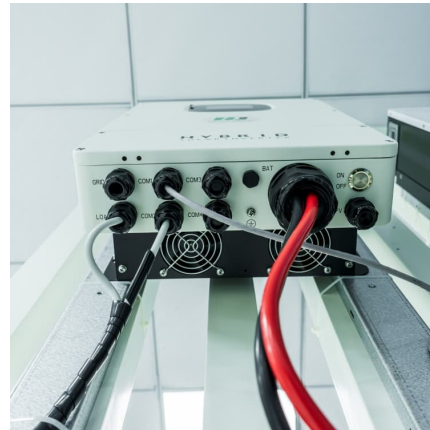
Lithium-based batteries power our daily lives from consumer electronics to national defense. They enable electrification of the transportation sector and provide stationary grid storage, critical to ...





[U.S. National Clean Hydrogen Strategy and Roadmap](#)

The report is meant to be a living strategy that provides a snapshot of hydrogen production, transport, storage, and use in the United States today, as well as an assessment of the ...



**Interpretation of Solid-State Batteries in the "Action Plan for Large**

7 ????· 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 ...

**U.S. National Clean Hydrogen Strategy and Roadmap at a ...**

The U.S. National Clean Hydrogen Strategy and Roadmap is a comprehensive national framework for facilitating large-scale production, processing, delivery, storage, and use of clean ...



[National Battery Strategy: Australia targets](#)

The National Battery Strategy is a key pillar of Future Made in Australia. The country is well-placed to leverage its availability of resources ...



### **Notice of Availability: Draft Energy Storage Strategy and Roadmap**

In January 2020, DOE launched the Energy Storage Grand Challenge (ESGC) to facilitate a department-wide strategy to accelerate the development, commercialization, and ...



### **Germany 'puts electricity storage on political agenda ...**

The German government published its Electricity Storage Strategy in December, with a comment period for trade associations closing ...

### [Energy Storage Safety Strategic Plan](#)

The Department of Energy Office of Electricity Delivery and Energy Reliability Energy Storage Program would like to acknowledge the external advisory board that contributed to the topic ...





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

5 ???· Announced by the National Development and Reform Commission (NDRC) and the National Energy Administration (NEA), the new plan is expected to drive CNY 250 billion ...

### 2025 National Energy Storage Policy: What You Need to Know Now

The 2025 national energy storage policy affects everyone from EV owners to solar panel enthusiasts. This isn't just government jargon; it's about how we'll keep the lights ...



### Findings from Storage Innovations 2030: Thermal Energy ...

About Storage Innovations 2030 This technology strategy assessment on thermal energy storage, released to assess progress towards the Long-Duration Storage Shot, contains findings from ...

### U.S. DOE Hydrogen Program and National Clean Hydrogen ...

U.S. DOE Hydrogen Program and National Clean Hydrogen Strategy Dr. Sunita Satyapal, Director, Hydrogen and Fuel Cell Technologies Office



### Notice of Availability: Draft Energy Storage Strategy and Roadmap

The U.S. Department of Energy (DOE or the Department) seeks public comment to inform development of its Energy Storage Strategy and Roadmap (SRM). DOE is ...



### Draft US Energy Storage Strategy & Roadmap Update Released, ...

Today, the U.S. Department of Energy released its draft Energy Storage Strategy and Roadmap and a Notice of Availability seeking stakeholder input on the draft ...



### Stationary energy storage key priority in new national ...

The new battery strategy identifies a suite of strategic opportunities, including stationary energy storage manufacturing, processing ...





## MEXICO'S NATIONAL ENERGY STRATEGIES

The strategy also reaffirms compliance with the Grid Code and establishes a 30% energy backup requirement, which may serve as a benchmark for mandatory battery energy storage systems.

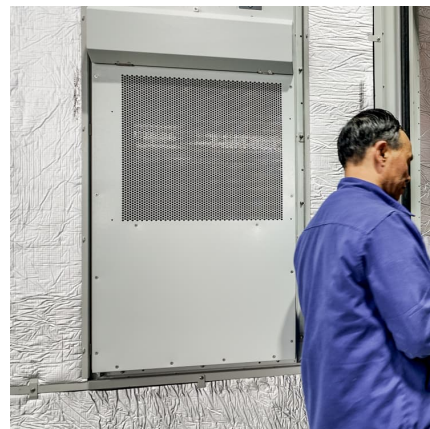


## RelyEZ at RE+ 2025: Redefining Energy Storage as the Real ...

19 ?????· LAS VEGAS, NV / ACCESS Newswire / September 16, 2025 / At RE+ 2025 in Las Vegas, the conversation was not only about technologies on display but about the financial ...

## [DOE National Clean Hydrogen Strategy and Roadmap](#)

National Clean Hydrogen Strategy and Roadmap17: This provision requires DOE to develop a technologically and economically feasible national strategy and roadmap to facilitate widescale ...



## [Germany: Energy storage strategy -- more flexibility ...](#)

The strategy paper provides an overview of the measures and challenges involved in establishing energy storage systems. The energy storage strategy ...



### Energy Storage Systems (ESS) Overview

4 ???· The challenge with Renewable Energy sources arises due to their varying nature with time, climate, season or geographic location. Energy ...



### [USA000259-23 FY 2023 Op Energy Strategy USD](#)

In alignment with the National Defense Strategy, the Department is prioritizing energy demand reduction and seeking to adopt more efficient and clean energy technologies that reduce ...

### [U.S. National Hydrogen Strategy and Roadmap](#)

The U.S. National Hydrogen Strategy and Roadmap explores opportunities for hydrogen to contribute to national goals across multiple sectors of the economy. It provides a snapshot of ...





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