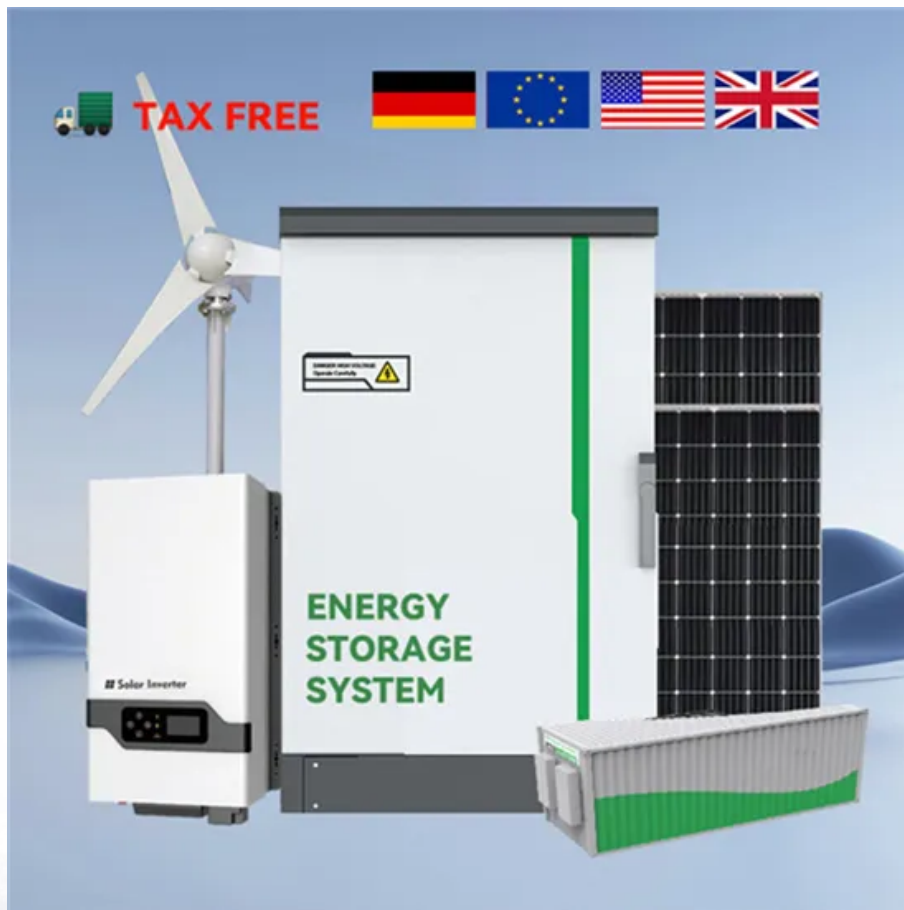


Domestic energy storage policy in 2023



Overview

What is the annual Energy Outlook 2023?

Our Annual Energy Outlook 2023 (AEO2023) explores long-term energy trends in the United States. Since last year's AEO, much has changed, most notably the passage of the Inflation Reduction Act (IRA), Public Law 117-169, which altered the policy landscape we use to develop our projections.

How many states have energy storage policies?

Approximately 15 states have adopted some form of energy storage policy including procurement targets, regulatory adaption, demonstration programs, financial incentives, and/or consumer protections. Procurement targets require utilities to acquire a specified quantity of energy storage, typically by a specified deadline.

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)).

How many GW of battery storage will be installed in 2023?

It is expected that the US storage market will install an estimated 63 gigawatts (GW) between 2023 and 2027. As of 2023, there is approximately 8.8 GW of operational utility-scale battery storage in the United States.

Do states have a storage policy?

All of the states with a storage policy in place have a renewable portfolio standard or a nonbinding renewable energy goal. Regulatory changes can broaden competitive access to storage by updating resource planning requirements or permitting storage through rate proceedings.

What are the different types of energy storage policy?

Approximately 16 states have adopted some form of energy storage policy, which broadly fall into the following categories: procurement targets, regulatory adaption, demonstration programs, financial incentives, and consumer protections. Below we give an overview of each of these energy storage policy categories.

Domestic energy storage policy in 2023



Analysis and suggestions on new energy storage policy

This study introduces a specific scale of the current domestic new energy storage and the future planning layout, starting with the development status of new energy storage.

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This study introduces a specific scale of the current domestic new energy storage and the future planning layout, starting with the development status of new ...



Q& A: How China became the world's leading market ...

The deployment of "new type" energy storage capacity almost quadrupled in 2023 in China, increasing to 31.4GW, up from just 8.7GW in ...

[UK battery strategy \(HTML version\)](#)

Grid-scale battery energy storage systems

(BESS) enable us to use electricity more flexibly and decarbonise the energy system in a cost-effective way. [footnote 31] As the ...



New York State Energy Profile

In 2023, New York ranked third among the states for generating the most electricity from renewables. Nuclear power accounted for almost 22% of New York's utility ...



China's Booming Energy Storage: A Policy-Driven and ...

In June 2023, China achieved a significant milestone in its transition to clean energy. For the first time, its total installed non-fossil fuel ...



Summary of Inflation Reduction Act provisions related ...

The Inflation Reduction Act of 2022 (IRA) is the most significant climate legislation in U.S. history. IRA's provisions will finance green power, ...

New domestic energy storage policy

Part 2. Why is domestic battery storage important? The significance of domestic battery storage lies in its ability to: Enhance energy independence: Homeowners can rely less on the grid and ...



State by State: A Roadmap Through the Current US Energy

...

Storage can play a significant role in achieving these goals by serving as a "non-wires alternative" that can provide added reliability and grid services as renewable resources ...

Storage Strategies: An Overview of State Energy ...

In recent years, the United States has enacted significant legislation (the Infrastructure Investment and Jobs Act in 2021 and the Inflation ...



Energy Storage Reports and Data

Energy Storage Reports and Data The following resources provide information on a broad range of storage technologies. General U.S. Department of Energy's Energy Storage Valuation: A ...



National Blueprint for Lithium Batteries 2021-2030

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 ...



Annual Energy Outlook 2023: Narrative

The Annual Energy Outlook 2023 (AEO2023) explores long-term energy trends in the United States. Since we released the last AEO in early 2022, passage of the Inflation Reduction Act ...



New Energy Storage Technologies Empower Energy ...

KPMG China and the Electric Transportation & Energy Storage Association of the China Electricity Council ('CEC') released the New Energy Storage Technologies Empower Energy ...



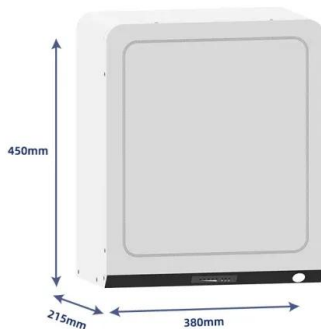


Italy 2023 Energy Policy Review

Italy 2023 Energy Policy Review INTERNATIONAL ENERGY AGENCY The IEA examines the full spectrum of energy issues including oil, gas and coal supply and demand, renewable energy ...

Nation to become a global energy storage powerhouse

The policies primarily focus on development plans, new energy storage integration, electricity market regulation and subsidy programs.

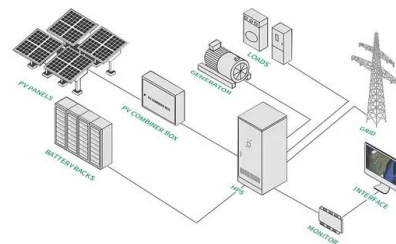


Technology Strategy Assessment

About Storage Innovations 2030 This technology strategy assessment on thermal energy storage, released as part of the Long-Duration Storage Shot, contains the findings from the Storage ...

Energy Storage: Connecting India to Clean Power on ...

In August 2023, the Ministry of Power issued a national ESS policy as the National Framework for Promoting Energy Storage Systems.¹¹ It consolidates all policies issued by the government for ...



Inside China's 2023 Natural Gas Development Report

China's focus on domestic gas production continued in 2022. Total domestic upstream investment reached a new record of US \$51.2 billion ...

2025 Energy Predictions: Battery Costs Fall, Energy ...

Experts predict what 2025 holds for U.S. energy policy: EV battery costs fall, energy storage demand surges, carbon removal hits scale, ...



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Therefore, it is considerable to study and analyze the current domestic policies and effectively rectify their imbalance and irrationality. This study introduces a ...

U.S. energy storage installations grow 33% year-over ...

Residential energy storage had a boom year for growth, deploying 1.25 GW in 2024, a 57% leap above 2023 totals. Residential battery ...



FEBRUARY 2023 States Energy Storage Policy

This paper, prepared by Sandia National Laboratories (SNL) and the Clean Energy States Alliance (CESA), identifies and summarizes these existing trends in state energy storage policy ...

Medium-term strategy of energy storage industry in 2023

The domestic market policy is the main driving force. In 2023, H1 large reserve bidding will increase significantly. Driven by the policy of mandatory storage allocation, the total ...



Summary of Global Energy Storage Market Tracking ...

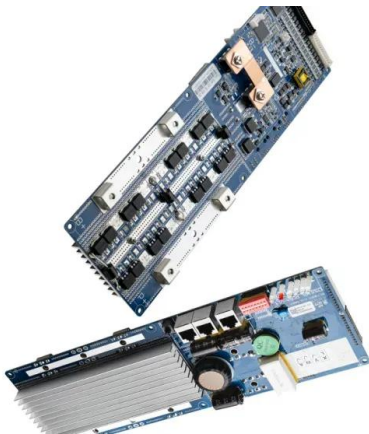
Figure 3: Installed capacity of new energy storage projects newly commissioned in China (2023.H1) In the first half of the year, the ...



Pathways to Commercial Liftoff: Long Duration Energy

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Pathways to Commercial Liftoff: Long Duration Energy Storage DOE Energy Storage Grand Challenge Summit July 27th, 2023 Vanessa Z Chan, Ph.D. Chief Commercialization Officer & ...



Annual Energy Outlook 2023: Release Presentation

Data source: U.S. Energy Information Administration, Annual Energy Outlook 2023 (AEO2023) Note: Negative generation represents charging of energy storage ...

Department of Energy Office of Policy's 2023 Year ...

Reflecting upon 2023, we marvel at how much progress was made on starting to implement these game-changing bills. Here at the U.S. ...





Powering Ahead: 2024 Projections for Growth in the

...

In the first half of 2023, the domestic energy storage sector experienced a boost, propelled by the continued expansion of wind and solar ...

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Therefore, it is considerable to study and analyze the current domestic policies and effectively rectify their imbalance and irrationality. This study introduces a specific scale of the current ...



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