

SolarInvert Energy Solutions

Recent New Energy Storage Policies Review



Overview

How effective is energy storage policymaking?

Yet the most effective approaches to energy storage policymaking are far from clear. This report, published jointly by Sandia National Laboratories and the Clean Energy States Alliance, summarizes findings from a 2022 survey of states leading in decarbonization goals and programs.

What are the different types of energy storage policies?

Approximately 17 states have adopted some form of energy storage policies, 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.

Does state energy storage policy support decarbonization?

The report highlights best practices, identifies barriers, and underscores the urgent need to expand state energy storage policymaking to support decarbonization in the US. This report and webinar were developed on behalf of the Energy Storage Technology Advancement Partnership (ESTAP).

What is 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 such as by updating resource planning requirements or permitting storage through rate proceedings.

Are policy changes threatening the storage industry?

“However, the industry stands at a crossroads, with potential policy changes threatening to disrupt this momentum.” In the near term, the report expects 15 GW/49 GWh of new storage capacity to be installed across all segments in 2025, with utility-scale installations projected to grow 22% year-over-year.

Will changes to federal policy slash future storage growth?

The five-year forecast for utility-scale storage remains solid, but looming changes to federal policy could slash future growth. If proposed changes to the Investment Tax Credit (ITC) in the House's reconciliation bill become law, the total storage buildout over five years could fall 27% below the current base case.

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States Energy Storage Policy: Best Practices for Decarbonization

Yet the most effective approaches to energy storage policymaking are far from clear. This report, published jointly by Sandia National Laboratories and the Clean Energy ...

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Battery Energy Storage Systems Report

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US energy storage set a new record in Q1 2025 but the future

US energy storage set a Q1 record in 2025 with 2 GW added, but looming policy changes could put that growth at serious risk.

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State by State: An Updated Roadmap Through the ...

Below we give an overview of each of these energy storage policy categories. Procurement targets require utilities to acquire a specified quantity ...

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Energy Storage Policy 2025: Key Updates & What You Need to ...

Here's the kicker: The International Energy Agency reports projects needing storage capacity equivalent to 500 million iPhone batteries by 2025. That's enough to circle ...

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Latest policies in the energy storage industry

The Energy Storage Association is the leading national voice that advocates and advances the energy storage industry to realize this goal--resulting in

a better world through a more resilient,
...

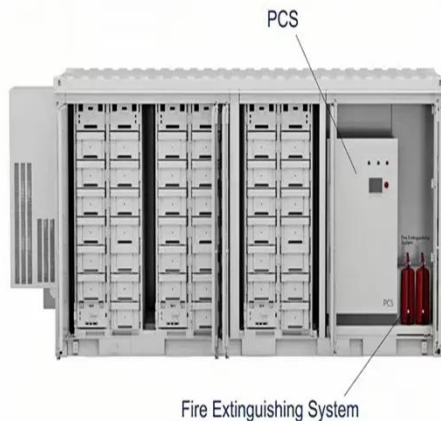
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Policies Drive Grid Scale Storage Deployments in US

This is an extract from a recent report "Charging Up: The State of Utility-Scale Electricity Storage in the United States" by Resources for the Future. As the electricity sector ...

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US energy storage set a new record in Q1 2025 but ...

US energy storage set a Q1 record in 2025 with 2 GW added, but looming policy changes could put that growth at serious risk.

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State by State: An Updated Roadmap Through the Current US Energy

Below we give an overview of each of these energy storage policy categories. Procurement targets require utilities to

acquire a specified quantity of energy storage typically ...

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What policies have been issued recently on energy storage?

The profound impact of recent energy storage policies cannot be overstated. This evolving legislation resonates with multiple facets of societal needs, including economic ...

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Analysis of China's energy storage industry under the dual ...

Driven by relevant environmental protection policies, the competition in the new energy power battery industry is becoming increasingly fierce.

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ESS Technologies: Recent advances and policy developments in energy storage

Challenges and future outlook Despite technological progress and the policy push from the government, several



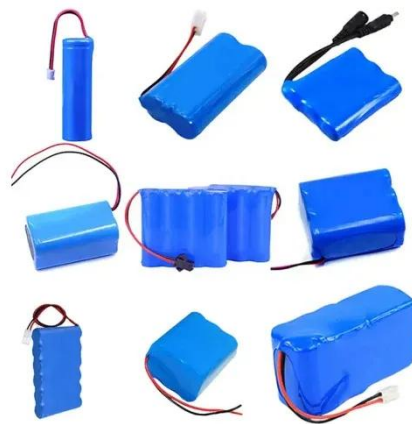
challenges hinder the widespread adoption of energy storage ...

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2021 Five-Year Energy Storage Plan

The Electricity Advisory Committee (EAC) submitted its last five-year energy storage plan in 2016.¹ That report summarized a review of the U.S. Department of Energy's (DOE) energy ...

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The story of US energy storage

If all of the energy storage-related requests for proposal (RfPs), site applications, and other utility proposals that were active at the end of 2024 ...

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Tesla revamps the Megapack in attempt to reverse its declining storage

2 days ago· The new Houston factory will be capable of producing up to 50 gigawatt-hours per year of Megapack 3

and Megablock units. Last quarter, Tesla installed 9.6 gigawatt-hours of ...

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SEIA focuses on grid reliability in new solar + storage policy

The policy agenda calls for reliability-focused policy actions at the local, state and federal level, including supporting development of domestic supply chains, reforming ...

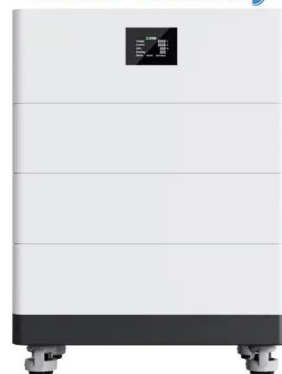
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REPORT: Solar and Storage Dominate New Power Additions in ...

4 days ago· LAS VEGAS and WASHINGTON, D.C. -- The U.S. solar industry installed nearly 18 gigawatts (GW) of new capacity in the first half of 2025. Even as the Trump administration ...

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High Voltage Solar Battery



US resumes solar and storage permitting amid policy shifts

The US Department of the Interior (DOI) has recommenced the review of solar, storage and geothermal project

applications on federal lands. This follows a 60-day ...

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A review of energy storage types, applications and recent developments

Recent research on new energy storage types as well as important advances and developments in energy storage, are also included throughout.

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IRENA - International Renewable Energy Agency

Battery energy storage systems offer power grids key opportunities for better flexibility, renewable energy integration, and reliable power supply by storing excess renewable energy during low ...

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A Review of State-Level Policies on Electrical Energy Storage

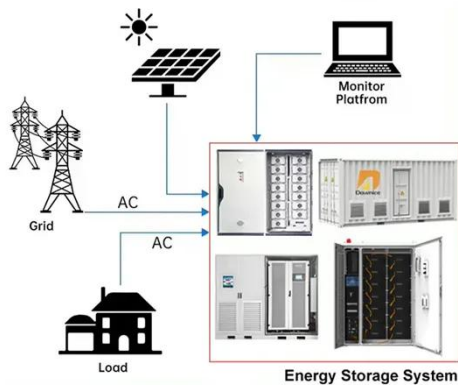
This paper reviews those efforts to identify what types of policies are being developed, the underlying goals and rationale behind different approaches,

and the early ...

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SEIA releases policy recommendations for US solar and storage

2 days ago· The US Solar Energy Industries Association (SEIA) has released a policy blueprint that it claims would "strengthen the reliability of America's electric grid with solar and storage

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Energy Storage Targets , State Climate Policy Dashboard

An overview of Energy Storage Targets across 50 U.S. States, with state-by-state policy progress, key resources, and model rules.

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