

2025 New Energy Storage





Overview

Looking ahead, experts predict 80 GW of new additions in 2025, representing an eightfold increase from 2021 levels. Perhaps most exciting is the emergence of long-duration storage technologies that can provide power not just for hours, but for days or even seasons. Will battery storage set a record in 2025?

Battery storage. In 2025, capacity growth from battery storage could set a record as we expect 18.2 GW of utility-scale battery storage to be added to the grid. U.S. battery storage already achieved record growth in 2024 when power providers added 10.3 GW of new battery storage capacity.

What is energy storage in 2025?

Energy Storage in 2025: What's Hot and What's Next?

The energy storage landscape is changing quickly as scientists work to create better and longer-lasting storage solutions. Experts are focused on improving smart grids to ensure that electricity systems work well and are cost-effective.

Why did energy storage surge in Q1 2025?

That makes Q1 2025 the biggest first quarter for energy storage in US history. The surge was led by utility-scale projects, which accounted for over 1.5 GW of the new capacity, a 57% jump compared to Q1 2024. Surging energy demand is putting the electric grid under strain," said John Hensley, SVP of markets and policy analysis at ACP.

How much storage capacity will be installed in 2025?

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. However, the utility-scale segment is at risk for a potential 29% contraction in 2026 due to policy uncertainty.



Will battery storage grow in 2025?

In the United States, the 2022 introduction of the Inflation Reduction Act included an investment tax credit for stand-alone storage. Since then we have seen huge growth in the sector in the US, and we expect to see this to continue into 2025, with several large-scale battery storage projects set to complete in 2025.

What is the future of energy storage?

The Future of Energy Storage The sector is no longer just about lithium-ion batteries. The industry is transitioning toward long-duration storage, decentralized solutions, and new battery chemistries. As the world shifts to renewable energy, scalability, affordability, and efficiency are key factors shaping the future.



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Future of energy storage: 7 Powerful Trends in 2025

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[Key Trends Shaping Battery Energy Storage in 2025](#)

A report by global research and consultancy firm WoodMackenzie, published in January, identified five major trends that are expected to define ...

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Emerging Trends in Global Energy Storage Solutions ...

Explore the future of energy with trends in long-duration storage and hydrogen solutions, driving sustainability, reliability, and decarbonization ...

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24 energy storage system suppliers tell us what's new ...

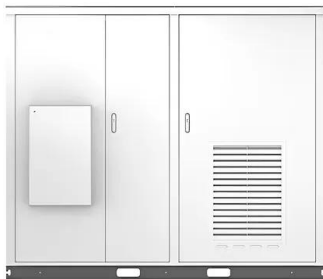
Energy Storage System (ESS) suppliers -- from battery manufacturers to smart panel providers -- tell Solar Builder magazine what's ...



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China's New Energy Storage Capacity Surges 29% in H1 2025

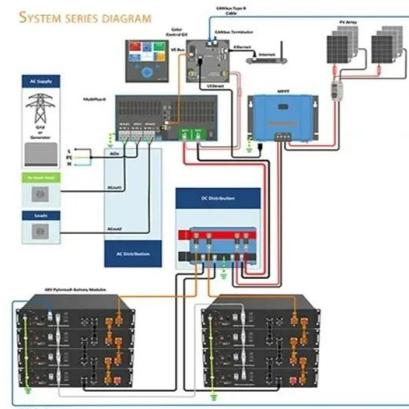
China's new energy storage sector continued its strong growth in H1 2025, with installed capacity reaching 94.91 GW and 222 million kWh, up about 29% from the e

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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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Key Trends Shaping Battery Energy Storage in 2025

A report by global research and consultancy firm WoodMackenzie, published in January, identified five major trends that are expected to define this sector in 2025, creating ...

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Top 10 Energy Storage Trends in 2025 , StartUs Insights

Discover the Top 10 Energy Storage Trends plus 20 Top Startups in the field to learn how they impact your business in 2025.

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Energy Storage in 2025: What's Hot and What's Next?

These advancements are vital in industries such as manufacturing, services, renewable sources, and portable electronics. So read on and dive deep into the dynamic world ...

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Global Energy Storage Growth Upheld by New Markets

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...

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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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The 8 Critical Energy Trends Defining 2025

Innovation In Energy Storage And Battery Technology New types of battery storage, such as solid-state and flow batteries, will continue to make ...

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Energy storage: 5 trends to watch in 2025 , Wood ...

The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of emerging ...

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Energy Outlook 2025: Energy Storage

We expect to see the global energy storage market continue to grow at a rapid pace in 2025. The increasing integration of renewable energy sources, the need for grid ...

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Energy storage: 5 trends to watch in 2025 , Wood Mackenzie

The scene is set for significant energy storage installation growth and technological advancements in 2025. Outlook and analysis of emerging markets, cost and supply chain risk, ...

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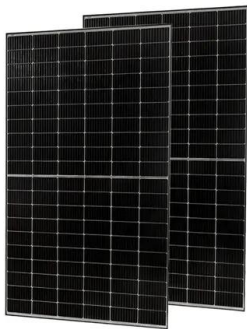




Top 10 Energy Storage Trends & Innovations , StartUs Insights

Discover the Top 10 Energy Storage Trends plus 20 out of 3400+ startups in the field and learn how they impact your business.

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The Future of Energy Storage: Lifecycles, Longevity, ...

A report from the International Energy Agency found that 35 percent of emissions reductions needed to reach net zero depend on ...

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2025 Two Session Buzzwords: "New-type energy ...

The buzzword "energy storage" at the 2025 Two Sessions underscores China's strategic focus on building a resilient, sustainable, and ...

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Energy Storage Summit 2025

Max Li-Power Energy Technology Co., Ltd. (hereinafter referred to as "Max Li-Power") is a high-tech enterprise engaged in the research and development, ...

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[11 New Battery Technologies To Watch In 2025](#)

We explore cutting-edge new battery technologies that hold the potential to reshape energy systems, drive sustainability, and support the ...

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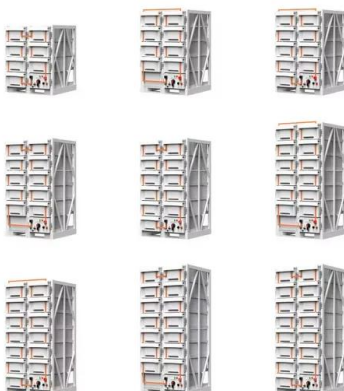
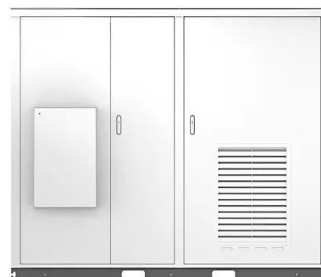


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Solar, battery storage to lead new U.S. generating capacity ...

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

We foresee a more dynamic battery energy storage system project execution pace in 2025 with FERC's Order No. 2023 and approval of the cluster study process that will ...

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Top 10 Energy Storage Trends in 2025: The Future of Renewables

Explore the Top 10 Energy Storage Trends in 2025. Discover how these innovations drive efficiency in the sector.

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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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New York's State Energy Plan targets 9.4 GW of ...

New York has formalized its clean energy goals in a new draft State Energy Plan, setting a course to deploy 9.4 GW of battery energy ...

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