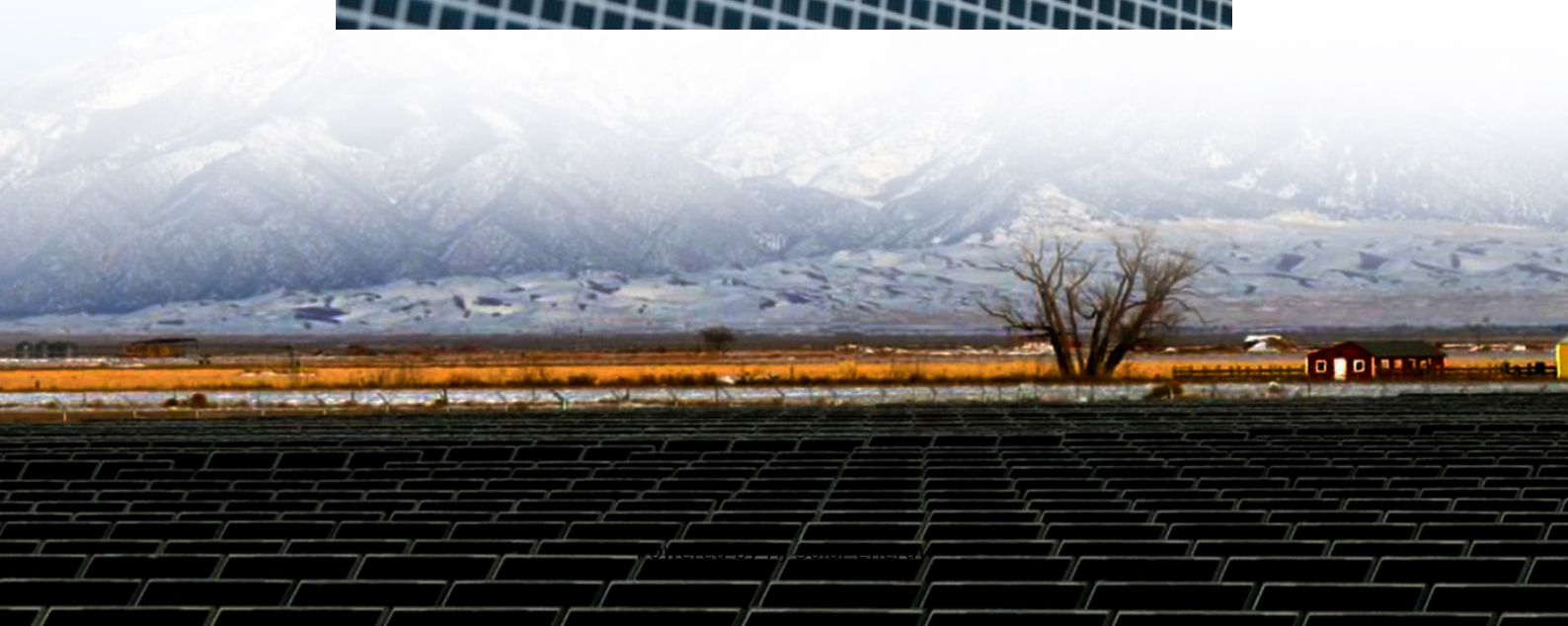


# Energy storage demand in 2025





## Overview

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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, the sector continues to grow as developers push forward with larger and larger utility-scale projects.

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The global energy storage market is expected to reach **\*\*288 GWh\*\*** by 2025, with a **\*\*compound annual growth rate (CAGR) of 53%\*\*** from 2021 to 2025. The United States, China, and Europe are the leading regions driving this growth, together accounting for over 75% of total deployments. 2. Key Regional.

Driven by factors such as declining costs, the increasing supply of renewable energy, and strong government support, the global energy storage market is poised for significant growth in 2025. Will we see a dramatic increase in the rate of growth because of COP29?

We expect to see the global energy.

Global energy storage installations are projected to grow by 76% in 2025 according to BloombergNEF, reaching 69 GW/169 GWh as grid resilience needs and demand balloon. Global energy storage projections are staggering, with a potential acceleration to 1,500 GW by 2030 following the COP29 Global. How big will energy storage be in 2025?

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in



2025—a 35% rise—driven by China’s storage mandates. US tariffs, policy shifts and LFP dominance will drive growth to 220 GW/972 GWh by 2035. The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions.

Will utility-scale energy storage grow 22% yy in 2025?

The utility-scale segment is expected to grow 22% YoY in 2025. As the market evolves, continued innovation, supportive policies, and strategic planning will be crucial to navigate the changing landscape and capitalize on the immense potential of energy storage in the U.S. energy transformation.

Is energy storage on track for a record year in 2025?

The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions. BloombergNEF (BNEF) forecasts that developers will add 94 gigawatts (247 gigawatt-hours) of battery capacity this year, a 35% increase over 2024 and the highest annual total to date (excluding pumped hydro).

What is the future of energy storage?

Global installed energy storage is on a steep upward trajectory. From just under 0.5 terawatts (TW) in 2024, total capacity is expected to rise ninefold to over 4 TW by 2040, driven by battery energy storage systems (BESS). Last year saw a record-breaking 200 gigawatt-hours (GWh) of new BESS projects coming online, a growth rate of 80%.

Which emerging markets will lead the storage industry in 2025?

In Latin America, momentum was built as storage deployments increased by 42%. In 2025, emerging markets for storage will be on the rise. Saudi Arabia will lead the charge, fuelled by its expansion of solar and wind generation.

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.



## Energy storage demand in 2025

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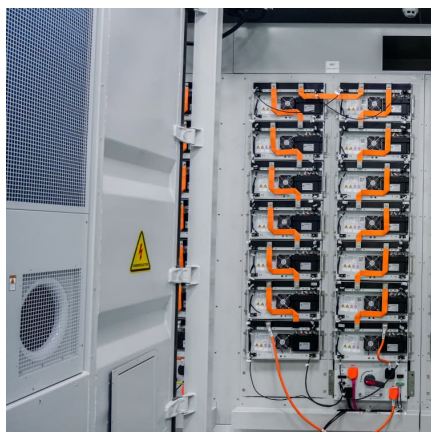


### [TrendForce: Global Installations Outlook for Energy ...](#)

Due to the acceleration of the global energy transition, energy storage has become a new focus for the energy sector. In the medium to long ...

### **Pakistan's Energy Storage Market , Future of Renewable Power**

By 2025, Pakistan's energy storage market is poised to emerge as a critical enabler of its renewable transition, bridging gaps between generation and demand, stabilizing grids, and ...



### **Emerging Trends in Global Energy Storage Solutions for 2025**

Explore the future of energy with trends in long-duration storage and hydrogen solutions, driving sustainability, reliability, and decarbonization by 2025!

### **Shaping energy markets in 2025: 12 trends to watch in ...**

As such, 2025 could be a breakout year for energy storage systems. Total electricity growth in 2025 is expected to be 1,350 terawatt hours ...



### Chinese power structure in 2050 considering energy storage and demand

Energy storage and demand response offer critical flexibility to support the integration of intermittent renewable energy and ensure the stable operation of the power ...



### Energy Outlook 2025

Global clean energy investment doubled in 2024, exceeding \$3 trillion for the first time. With energy demand increasing worldwide, we expect to see even more investment in 2025 to meet ...



### [Predictions for energy and natural resources in 2025](#)

Opinion Predictions for energy and natural resources in 2025 The impact of Chinese EVs, ambitious NOCs, the Saudi storage boom and more, as Wood Mackenzie ...





## REPORT: Energy Storage's Meteoric Rise Breaks Another Record

Grid-scale storage installations are forecasted to reach 13.3 GW in 2025. "After another year of record deployment, energy storage is solidifying its place as a leading solution ...



## [Report: Global Energy Storage Set for Ninefold Surge ...](#)

The global energy landscape is entering a decisive phase, with energy storage technologies emerging as key enablers of a cleaner, more ...

## [Storage is booming and batteries are cheaper than...](#)

The U.S. energy storage market is stronger than ever, and the cost of the most commonly used battery chemistry is trending downward each ...



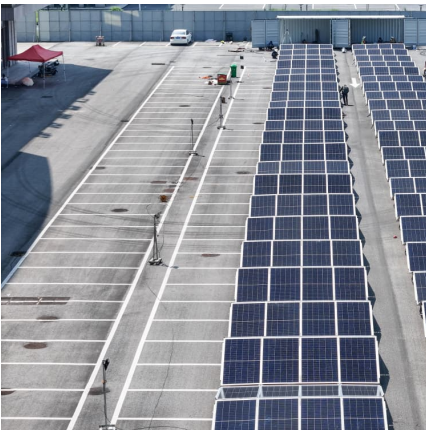
## Hydrogen Energy Storage Market Size to Exceed USD 34.56 ...

3 ????· According to Precedence Research, the global hydrogen energy storage market size will grow from USD 18.78 billion in 2025 to nearly USD 34.56 billion by 2034, with a solid ...



### Global Energy Storage Market Outlook 2025 Trends, Growth

The global energy storage industry is undergoing rapid expansion, driven by technological advancements, government policies, and the increasing demand for renewable ...

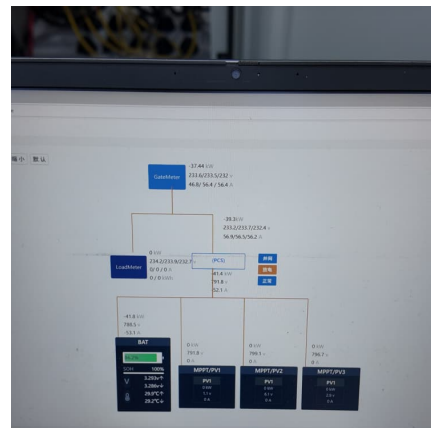


### Residential Energy Storage Market Trends 2025

Discover the latest trends in the residential energy storage market for 2025, including growth drivers, key technologies, challenges, and future outlook.

### Report: Global Energy Storage Set for Ninefold Surge as ...

The global energy landscape is entering a decisive phase, with energy storage technologies emerging as key enablers of a cleaner, more flexible power system. According to ...





Can BESS answer US data center power demand?

1 ??· Data centers' energy demand is well-documented. Hyperscale AI data centers owned by big-tech companies are placing acute strain on energy ...

Global Energy Storage to Hit 94 GW in 2025, Says BNEF

BloombergNEF forecasts a record 94 GW (247 GWh) of utility-scale storage in 2025--a 35% rise--driven by China's storage mandates. US tariffs, policy shifts and LFP ...



**Surge in Demand for Energy Storage Cells in 2025: From ...**

Last year, it was said that there was an oversupply of energy storage cell capacity, but this year has seen a surge in orders? Alpha Factory - April 9, 2025 - Published ...

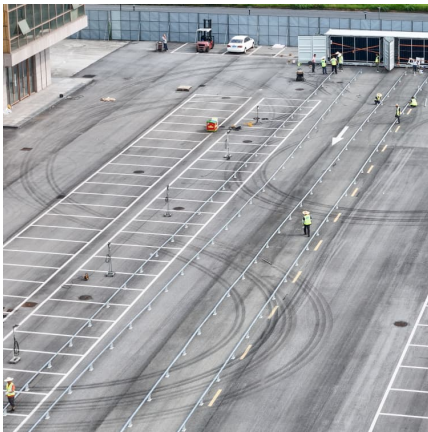
**Energy Storage Rides a Wave of Growth but Uncertainty ...**

In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond.



### 'Foundational' shifts for BESS in CAISO & ERCOT coming in 2025

As demand for energy continues to grow (forecasted to increase 15.8% by 2029), and renewables continue to comprise the majority of new generation coming online ...



### Energy Storage Outlook

While power demand is expected to continue to see strong growth in 2025 and beyond, the growth rate of low-carbon energy sources is now close to covering the entire ...



### India's Energy Storage to Grow 5X by 2032, Driven by INR4.79 ...

The India Energy Storage Alliance (IESA) projects a fivefold growth in the sector between 2026 and 2032, with investments expected to reach INR4.79 lakh crore by 2032. This ...





### [Long Duration Energy Storage Analysis 2025-2045: Future](#)

For 2025-2045, Long Duration Energy Storage LDES has arrived meaning eight hours or more of subsequent discharge at full rated power. That compensates solar dead at ...



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