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# Gigawatt-hour energy storage projects





## Overview

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What drives energy storage project development?

Globally, energy storage project development is increasingly driven by the utility-scale segment, with mandates and targeted auctions driving gigawatt-hour projects in markets like China, Saudi Arabia, South Africa, Australia and Chile.

Where are gigawatt-hour projects being built?

Since 2024, gigawatt-hour projects have been commissioned or started construction in not only the US and China, but also Saudi Arabia, South Africa, Australia, Netherlands, Chile, Canada and the UK.

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.

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).



## Gigawatt-hour energy storage projects

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Trina, Stiemo to add 180 MWh of BESS in Lithuania, eye ...

Jul 22, 2025 · China's Trina Storage and Lithuanian engineering firm Stiemo have agreed to roll out gigawatt-hours worth of battery energy storage systems (BESS) in Lithuania and the ...

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China Approves Massive 4.2 Gigawatt-Hour Grid Battery Storage ...

Dec 1, 2025 · China greenlights a massive 4.2 GWh battery project, validating long-duration storage as essential for integrating high-volume renewables.

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Australia activates 1.6 GWh energy storage facility with 444 ...

2 days ago · Australia has just launched one of the largest batteries in the world, with a storage capacity of 1.6 gigawatt hours (GWh) and the ability to supply electricity to up to 200,000 ...

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Grid-Scale Energy Storage Projects Heat Up Globally

Aug 21, 2025 · According to Peak Energy, GS-1.1's passive cooling architecture can provide annual operational cost savings per gigawatt-hour installed, representing an up to 90% ...

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Tesla Signs \$557 Million Deal to Build First Grid-Scale Megapack Energy

Jun 20, 2025 · Tesla's decision to invest in China's grid-scale storage market also highlights the rapid growth of its energy division. In 2024, Tesla deployed a record-breaking 31.4 gigawatt ...

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Global Energy Storage to Hit 94 GW in 2025, ...

Jun 19, 2025 · The global energy storage sector is on track for another record year in 2025 as utility-scale projects expand into new regions. ...

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Trina, Stiemo to add 180 MWh of BESS in ...

Jul 22, 2025 · China's Trina Storage and Lithuanian engineering firm Stiemo have agreed to roll out gigawatt-hours worth of battery energy storage ...

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Gigawatt hour scale projects , C& I Energy Storage System

Articles related (70%) to "gigawatt hour scale projects" Why 16MWh Containerized Energy Storage Systems Are Revolutionizing Power Solutions If you're in renewable energy, grid ...

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China drives global BESS deployments in July, ...

Aug 22, 2025 · Waratah Super Battery in Australia was the largest project outside China to go into operation during the month. Image: Akaysha ...

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### Global Energy Storage Growth Upheld by New Markets

Jun 18, 2025 · Globally, energy storage project development is increasingly driven by the utility-scale segment, with mandates and targeted auctions driving gigawatt-hour projects in markets ...

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### Energy Storage Deployments Reach 9.6 GWh ...

Jul 3, 2025 · In Q2 2025, Tesla deployed a record 9.6 gigawatt-hours (GWh) of storage products worldwide--a robust performance that underscores ...

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### Grid-Scale Energy Storage Projects Heat Up ...

Aug 21, 2025 · According to Peak Energy, GS-1.1's passive cooling architecture can provide annual operational cost savings per gigawatt ...

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

Jun 19, 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 ...

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