



# Energy Storage New Energy Branch





## Overview

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From iron-air batteries to molten salt storage, a new wave of energy storage innovation is unlocking long-duration, low-cost resilience for tomorrow's grid. By the end of December 2025, China's cumulative installed capacity of new energy storage technologies including lithium-ion reached 144.7GW, representing an 85% year-on-year rise. Lithium-ion companies have come out as the top-rated suppliers on a new long-duration energy storage (LDES). This article was written by Nelson Nsitem, Senior Associate, Energy Storage, and Yayoi Sekine, Head of Energy Storage, BloombergNEF. It appeared first on the Bloomberg Terminal. The global energy storage market is poised to hit new heights yet again in 2025. In response to rising demand and the challenges renewables have added to grid balancing efforts, the power industry has seen an uptick in. Developments will address grid reliability, long duration energy storage, and storage manufacturing The Department of Energy's (DOE) Office of Electricity (OE) is pioneering innovations to advance a 21st century electric grid. Scientists at Brookhaven are working on multiple projects to improve the storage capacity of batteries, reduce the time needed to recharge them, and using more sustainable.



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Here are ten notable innovations taking place across different energy storage segments, as highlighted in GlobalData's Emerging Energy Storage ...

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To that end, OE today announced several exciting developments including new funding opportunities for energy storage innovations and the upcoming dedication of a game-changing new ...



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Here are ten notable innovations taking place across different energy storage segments, as highlighted in GlobalData's Emerging Energy Storage Technologies report.



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Based on a brief analysis of the global and Chinese energy storage markets in terms of size and future development, the publication delves into the relevant business models and cases of new energy ...

### **Energy storage**

High-energy lithium-ion systems, quasi-solid-state configurations and sodium-ion batteries were among the main strategies pursued in 2025 to achieve that goal. The importance of ...



### [The Future of Energy Storage , MIT Energy Initiative](#)

MITEI's three-year Future of Energy Storage study explored the role that energy storage can play in fighting climate change and in the global adoption of clean energy grids.

### [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, the sector ...



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Different energy storage technologies including mechanical, chemical, thermal, and electrical system has been focused. They also intend to effect the potential advancements in storage ...



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### [BNL , Energy Storage & Grid Modernization](#)

Brookhaven scientists are developing new materials for future batteries and studying the integration of renewable sources into real-world, grid-scale energy distribution systems.



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