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Title: Is new energy storage still worth doing
Generated on: 2026-03-13 15:44:23
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Are batteries the future of energy storage?
Developments in batteries and other energy storage technology have accelerated to a seemingly head-spinning pace recently -- even for the scientists, investors, and business leaders at the forefront of the industry. After all, just two decades ago, batteries were widely believed to be destined for use only in small objects like laptops and watches.

Why do we need energy storage?
The increasing penetration of renewable energy sources underscores the need for efficient energy storage to balance intermittent power generation. Advances in battery technology drive the development of solutions with higher energy density,longer lifespans,and reduced costs.

How has technology impacted the energy storage sector?
Technological developments and market uptake have already had a positive impacton the storage sector: the costs of battery storage are down by 93% since 2010,according to the International Renewable Energy Agency (IRENA). Pumped storage hydropower is the largest energy storage technology globally.

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.

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