



Number of annual energy storage operations

Will energy storage grow in 2023?

Global energy storage's record additions in 2023 will be followed by a 27% compound annual growth rate to 2030, with annual additions reaching 110GW/372GWh, or 2.6 times expected 2023 gigawatt installations. Targets and subsidies are translating into project development and power market reforms that favor energy storage.

What types of energy storage are included?

Other storage includes compressed air energy storage, flywheel and thermal storage. Hydrogen electrolyzers are not included. Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.

How can energy storage support the global transition to clean electricity?

To support the global transition to clean electricity, funding for development of energy storage projects is required. Pumped hydro, batteries, hydrogen, and thermal storage are a few of the technologies currently in the spotlight.

Will 9% of energy storage capacity be added by 2030?

We added 9% of energy storage capacity (in GW terms) by 2030 globally as a buffer. The buffer addresses uncertainties, such as markets where we lack visibility and where more ambitious policies may develop that we haven't predicted. We revised our buffer calculation methodology in this market outlook.

Which energy storage technologies are used in the United States?

Batteries and pumped hydro are the main storage technologies in use in the U.S., according to the number of storage projects in the country in 2023. Discover all statistics and data on Energy storage in the U.S. now on [statista.com](https://www.statista.com)!

How many gigawatts will energy storage add in 2024?

Last year's record global additions of 45 gigawatts (97 gigawatt-hours) will be followed by continued robust growth. In 2024, the global energy storage is set to add more than 100 gigawatt-hours of capacity for the first time.



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