



New battery energy storage capacity

Breakthroughs in battery technology are transforming the global energy landscape, fueling the transition to clean energy and reshaping industries from transportation to utilities.

The Electric Reliability Council of Texas took over as the US region with the most operating battery storage capacity, adding 51.5% of the 6.239 GW installed across the US in second-quarter 2025.

The American Clean Power Association reported that the United States added a record 1,602-MW of battery storage capacity in the first quarter of 2025, equivalent to the energy generation ...

California has now built one-third of the storage capacity estimated to be needed by 2045 to reach its clean energy goals. Gov. Newsom also announced today that California is joining the ...

Executive Summary In this work we describe the development of cost and performance projections for utility-scale lithium-ion battery systems, with a focus on 4-hour duration systems. The projections are developed ...

Generators added 10.4 GW of new battery storage capacity in 2024, the second-largest generating capacity addition after solar. Even though battery storage capacity is growing fast, in 2024 it was ...

The United States is rapidly deploying utility-scale battery storage, poised to nearly triple its capacity by 2027, enhancing grid stability and renewable energy integration.

In Q2 2025, a record 5.6 gigawatts (GW) of new capacity came online, according to the latest US Energy Storage Monitor report from the American Clean Power Association (ACP) and ...

Strong growth occurred for utility-scale battery projects, behind-the-meter batteries, mini-grids and solar home systems for electricity access, adding a total of 42 GW of battery storage capacity globally.

Utility-scale battery storage in the United States is poised to more than double over the next two years and will close out 2026 at nearly 65 GW -- a rapid rise from 17 GW in the first quarter...



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