

## Kongres Container

# Installed capacity of battery energy storage equipment



## Overview

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Supply Chain Threat of PRC Influence for Digital Energy Infrastructure:  
Evaluating the Technical Risk Landscape . . . . . 55 Grid and  
Utility-Scale Operational Consequence of BESS Functions.

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In the United States, cumulative utility-scale battery storage capacity exceeded 26 gigawatts (GW) in 2024, according to our January 2025 Preliminary Monthly Electric Generator Inventory. Generators added 10.4 GW of new battery storage capacity in 2024, the second-largest generating capacity.

The battery storage technologies do not calculate levelized cost of energy (LCOE) or levelized cost of storage (LCOS) and so do not use financial assumptions. Therefore, all parameters are the same for the research and development (R&D) and Markets & Policies Financials cases. The 2024 ATB.

The operating capacity of battery storage in the US grew by 7.9GW last year, bringing the country's total cumulative installed base to 17GW by the end of 2023. The figures have been released by the American Clean Power Association (ACP) trade group, which published its annual report on statistics.

China accounts for approximately two thirds of the installed capacity of grid scale BESS worldwide. It is followed by the US which accounts for roughly 25% of the total installed market. Within Europe, the UK has by far the largest installed capacity with 7.5 GWh. Other notable markets include.

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