

A-Core Container

Cost price of energy storage power station



Overview

Discover the true cost of energy storage power stations. Learn about equipment, construction, O&M, financing, and factors shaping storage system investments.

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DOE's Energy Storage Grand Challenge supports detailed cost and performance analysis for a variety of energy storage technologies to accelerate their development and deployment.

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 from an analysis of recent publications that include utility-scale storage costs.

The total price of energy storage power stations significantly varies based on multiple considerations. Recognizing that financial implications extend well beyond initial expenditures is essential.

As of October 2025, the average storage system cost in New York is \$1463/kWh. Given a storage system size of 13 kWh, an average storage installation in New York ranges in cost from \$16,169 to \$21,875, with the average gross price for storage in New York coming in at \$19,022.

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