

## A-Core Container

# What is the cost of new energy storage



## Overview

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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.

As of December 2024, the average total installed costs for front-of-the-meter retail standalone energy storage projects, receiving NYSERDA incentives through money allocated in the 2018 Energy Storage Order and Clean Energy Fund, averaged \$645 per kWh.

In 2025, the average energy storage cost ranges from \$200 to \$400 per kWh, with total system prices varying by technology, region, and installation factors.

Additional storage technologies will be added as representative cost and performance metrics are verified. The interactive figure below presents results on the total installed ESS cost ranges by technology, year, power capacity (MW), and duration (hr). How much does energy storage cost?

Different places have different energy storage costs. China's average is \$101 per kWh. The US average is \$236 per kWh. Knowing the price of energy storage systems helps people plan for steady power. It also helps them handle money risks. As prices drop and technology gets better, people need to know what causes these changes.

## How much does energy storage cost in 2022?

From 2022 to 2025, energy storage costs have gone down each year. In 2022, a home system cost about \$1,000 per kWh. In 2023, the price dropped to \$600 per kWh. By 2024, it was \$400 per kWh for many systems. In 2025, most people pay between \$200 and \$400 per kWh.

## How much does energy storage cost in 2025?

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## How long does an energy storage system last?

The 2020 Cost and Performance Assessment analyzed energy storage systems from 2 to 10 hours. The 2022 Cost and Performance Assessment analyzes storage system at additional 24- and 100-hour durations.

## How much does battery storage cost in 2025?

Battery storage prices have gone down a lot since 2010. In 2025, they are about \$200-\$400 per kWh. This is because of new lithium battery chemistries. Different places have different energy storage costs. China's average is \$101 per kWh. The US average is \$236 per kWh. Knowing the price of energy storage systems helps people plan for steady power.

## How much does a battery storage system cost?

Around the beginning of this year, BloombergNEF (BNEF) released its annual Battery Storage System Cost Survey, which found that global average turnkey energy storage system prices had fallen 40% from 2023 numbers to US\$165/kWh in 2024.

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