

## NKOSITHANDILEB SOLAR

# Price reduction for 120-foot photovoltaic energy storage containers



## Overview

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Are energy storage systems reducing the cost of batteries?

The scale of the reduction suggests that in addition to the falling cost of batteries—BNEF’s recent Lithium-ion Battery Price Survey found that battery pack prices fell 20% year-on-year to 2024, again the biggest drop recorded to date—energy storage system providers are working on cost reduction in other areas, Kikuma said.

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.

Will a 60% tariff increase energy storage costs?

“What we found is that with the 60% tariff, the cost [of a turnkey energy storage system] increases by 60% compared to 2025, so this is quite a big cost jump if the US actually decided to do so,” Kikuma says.

Why are battery energy storage systems (Bess) costs falling?

A growing industry trend towards larger battery cell sizes and higher energy density containers is contributing significantly to falling battery energy storage system (BESS) costs.

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Trend towards larger battery cell sizes and higher energy density containers is contributing significantly to falling BESS costs.

Turnkey systems, excluding EPC and grid connection costs, saw their biggest reduction since BNEF's survey began in 2017. Image: BNEF. BNEF analyst Isshu Kikuma ...

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Turnkey systems, excluding EPC and grid connection costs, saw their biggest reduction since BNEF's survey began in 2017. Image: ...

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Trend towards larger battery cell sizes and higher energy density containers is contributing significantly to falling BESS costs.

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The price of an energy storage container can vary significantly depending on several factors, including its capacity, technology, features, and market conditions. In this article, we ...

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