Lithium-ion energy storage system price trend

Overview

The survey's publication closely follows the 2025 edition of BNEF's Lithium-Ion Battery Price Survey, which found a smaller 8% year-over-year decline in the average cost of lithium-ion (Li-ion) battery packs from 2024 to 2025, arriving at a global average of US$108/kWh. Global average prices for turnkey battery storage systems fell by almost a third year-over-year, with sharp cost declines expected to continue. In 2025, the global average price of a turnkey battery energy storage system (BESS) is US$117/kWh, according to the Energy Storage Systems Cost Survey 2025. New York, December 9, 2025 – lithium-ion battery pack prices have dropped 8% since 2024 to a record low of $108 per kilowatt-hour, according to latest analysis by research provider BloombergNEF (BNEF). Continued cell manufacturing overcapacity, intense competition and the ongoing shift to. Key drivers include technological advances, increased competition, and declining lithium prices BOULDER, Colo. 3, 2025/ PRNewswire / -- A new report from Guidehouse Research explores global energy storage pricing trends and market forces, focusing on lithium-ion battery production and market. 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 The U. This guide breaks down cost factors, regional pricing variations, and application-specific solutions to help businesses and households make informed decisions. 5 billion · Forecast (2033): 32. 2% Executive Summary: Strategic Outlook for the Lithium-ion Battery Energy Storage System.

Article Content

Lithium-Ion Battery Energy Storage System 2026-2034 Analysis: ...

The Lithium-Ion Battery Energy Storage System (BESS) market is booming, projected to reach $4205 million by 2025 with a 24% CAGR. Discover key market drivers, trends, restraints, and ...

Historical and prospective lithium-ion battery cost trajectories from a ...

LiB costs could be reduced by around 50 % by 2030 despite recent metal price spikes. Cost-parity between EVs and internal combustion engines may be achieved in the second half of this ...

Battery storage system prices continue to fall

Global average prices for battery storage systems fell by almost a third year-over-year, with sharp cost declines expected to continue.

Cost Projections for Utility-Scale Battery Storage: 2023 Update

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 ...

What Is The Current Average Cost Of Energy Storage ...

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

Lithium-ion Battery Energy Storage System Market Demand ...

The Lithium-ion Battery Energy Storage System (BESS) market is positioned for robust growth, driven by accelerating renewable integration, grid modernization initiatives, and the ...

Guidehouse Research Estimates Prices for 4-hour Li-ion Systems to ...

According to a new report from Guidehouse Research, utility-scale battery energy storage systems (BESS) prices for 4-hour (Li-ion) systems are expected to decline at a compound annual...

Lithium Battery Energy Storage Price List: 2024 Market Trends & Cost ...

Discover the latest lithium battery energy storage prices and industry trends in 2024. This guide breaks down cost factors, regional pricing variations, and application-specific solutions to help businesses ...

Lithium-Ion Battery Pack Prices Fall to $108 Per Kilowatt-Hour, ...

BNEF expects pack prices to decrease again in 2026, based on its near-term outlook, as raw material prices face upward pressure but adoption of low-cost LFP continues to spread.

Energy Storage Cost and Performance Database

In support of this challenge, PNNL is applying its rich history of battery research and development to provide DOE and industry with a guide to current energy ...

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