



# Lithium battery cost per kilowatt





## Overview

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In 2025, the average lithium battery cost per kWh ranges between \$130 and \$160 depending on chemistry, capacity, and application. For a small device like an e-bike, that may mean just a few hundred dollars. The data includes an annual average and quarterly average prices of different lithium-ion battery chemistries commonly used in electric vehicles and renewable energy storage. Jul 1, 2014 Aug 15, 2025 Apr 26. TL;DR: Wholesale lithium-ion pack prices averaged about \$0.115/Wh globally in 2024 (down ~20% YoY), but finished consumer systems (portable power stations) retail much higher due to inverters, BMS, certifications, and margins. Solar and energy storage system batteries show similar trends.



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### [Lithium-Ion Battery Pack Prices Fall to \\$108 Per Kilowatt-Hour, ...](#)

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).

### [Prices of Lithium Battery Packs and Cells: Updated Data](#)

In 2024, the average global prices of lithium-ion batteries dropped by 20%, reaching \$115 per kWh. For electric vehicle batteries, the price fell below \$100 per kWh. Why Are Lithium Battery ...



### [Lithium-Ion Battery Pack Prices Hit Record Low at \\$108/kWh](#)

BloombergNEF's 2025 survey finds average lithium-ion pack prices dropped 8% to \$108/kWh, driven by LFP adoption, overcapacity, and competition. Stationary storage costs plunged ...

## How Much Does a Lithium-Ion Battery Cost in 2024?

An average lithium battery costs around \$139 per kWh in 2024. Learn all about the price trends, battery comparisons, and factors that decide these battery prices.



### [Lithium Battery Cost: What Drives \\$/kWh, Real-World Prices, and ...](#)

Up-to-date lithium battery cost guide with a detailed USD/Wh table: wholesale pack averages, and retail examples (EcoFlow, BLUETTI, Jackery, UDPOWER). Learn what drives \$/Wh ...

## How Lithium Battery Prices Are Changing In 2025

The average lithium ion battery costs about \$151 per kWh, but prices keep dropping as technology improves. Lithium batteries last much longer than lead-acid batteries, often reaching ...



### GRADE A BATTERY

LiFePO4 battery will not burn when overcharged or over discharged, overcurrent or short circuit and can withstand high temperatures without decomposition.



## Lithium Battery Costs 2025

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## Battery price per kwh 2025, Statista



The cost of lithium-ion batteries per kWh decreased by 20 percent between 2023 and 2024. Lithium-ion battery price was about 115 U.S. dollars per kWh in 202.



### [Lithium-Ion Battery Costs: Manufacturing Prices, Components, And ...](#)

Prices depend on battery chemistry, like LFP or NMC, and geography, such as China or the West. For electric vehicle packs, costs range from \$7,000 to \$20,000. In mass production of ...

### **Lithium-ion battery cell prices by chemistry**

Average price of battery cells per kilowatt-hour in US dollars, not adjusted for inflation. The data includes an annual average and quarterly average prices of different lithium-ion battery ...





## Contact Us

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