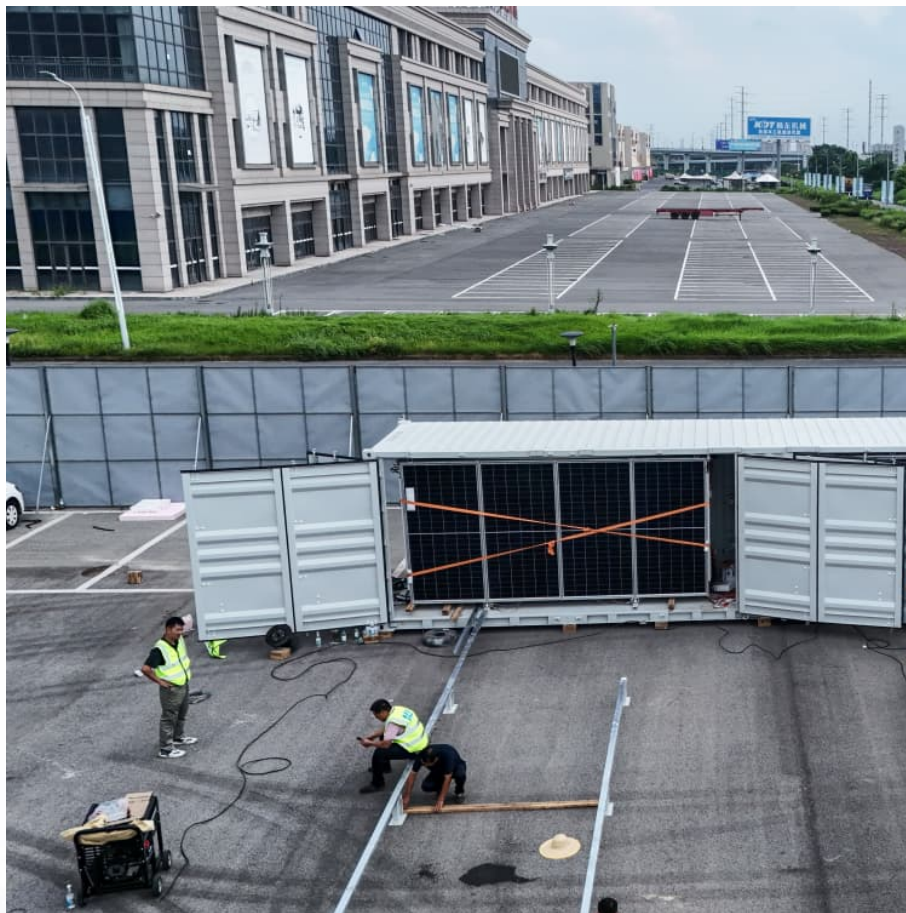


# **LFP battery system tender price in China 2025**





## Overview

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The average bid stood at CNY 0.473/Wh (\$65/kWh). Public procurements in China continue to demonstrate exceptionally low price levels for lithium-ion phosphate (LFP) battery energy storage systems (BESS). In the latest tender, more than 80% of bidders quoted prices below CNY 0.5/Wh (\$69/kWh).

The Power Construction Corporation of China drew 76 bidders for its tender of 16 GWh of lithium iron phosphate (LFP) battery energy storage systems (BESS), according to reports. Bids averaged \$66.3/kWh, with 60 bids under \$68.4/kWh. The tender, covering supply, system design, installation guidance.

[SMM Analysis] SMM has learned that on January 3, the China Huadian Corporation announced the tender for the 2025 LFP Electrochemical ESS Framework Procurement. This centralised procurement will adjust the battery prefabricated cabin prices in the contract for shortlisted suppliers based on the.

One of the dominant state-owned infrastructure companies, China Energy Engineering Corporation (CEEC), launched a major procurement procedure on lithium iron phosphate (LFP) battery systems amounting to 25 GWh. The tender is one of the greatest energy storage projects in China, and it will signify.

The CSIRO and the Australian Energy Market Operator earlier this month noted in their draft GenCost report that battery storage has been the biggest mover in the last 12 months in terms of price – down 20 per cent from where it was just 12 months ago. An annual assessment from Bloomberg NEF.



The rapid decrease in lithium ion battery prices seen in previous years is likely to be slowed down in 2025 due to an uptick in battery material costs. These will in turn be partly offset by falling manufacturing costs propelled by economy of scale and efficiency gains, resulting in a flatter price. How much does a battery energy storage system cost in China?

The procurement exercise has attracted 67 battery energy storage companies but only six have emerged as winners. The average bid stood at CNY 0.473/Wh (\$65/kWh). Public procurements in China continue to demonstrate exceptionally low price levels for lithium-ion phosphate (LFP) battery energy storage systems (BESS).

How much does LFP cost per kWh?

The tender, covering supply, system design, installation guidance, 20-year maintenance, and safety features, targets systems to be built in 2025-2026. That's an astounding price, as earlier this year even I, as a battery optimist, was astounded by CATL's announcement that it would be shipping LFP cells at \$56 per kWh.

How much does a LFP cell cost?

The price of LFP cells is over 20% lower than nickel cobalt manganese (NCM) cells. The average price of an LFP cell was just under \$60/kWh in 2024. Currently, Greater China has a near monopoly in LFP cell manufacturing, considering the negligible LFP production capacity in Europe and North America.

How much does an LFP cell cost in 2024?

The average price of an LFP cell was just under \$60/kWh in 2024. Currently, Greater China has a near monopoly in LFP cell manufacturing, considering the negligible LFP production capacity in Europe and North America. However, LFP production capacity is poised to expand, especially in Europe, through this decade.

Will LFP increase the global average price of LFP cells?

The addition of LFP capacities outside of Greater China will raise the global average price of LFP cells in the midterm, but as the manufacturing cost is brought under control through process improvements, the global LFP average cell price will gradually fall below the current level.



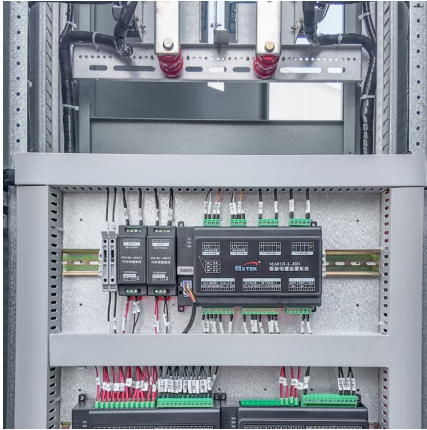
Are LFP batteries better than NMC batteries?

The report states that LFP batteries reached 80% of the batteries sold in China during November and December. “The higher energy density of NMC batteries remains an advantage for applications requiring longer ranges or operation in cold climates,” the report notes.



## LFP battery system tender price in China 2025

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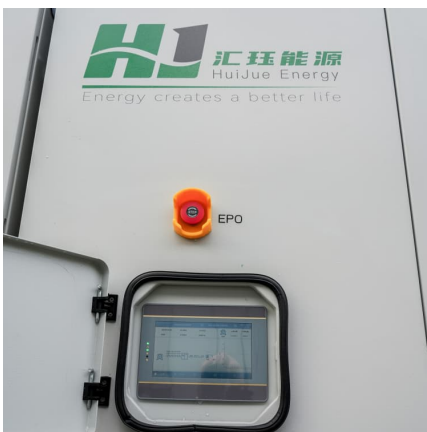


### [Lithium-Ion Battery Pack Prices Hit Record Low of ...](#)

BloombergNEF's annual battery price survey finds a 14% drop from 2022 to 2023 New York, November 27, 2023 - Following unprecedented price increases in 2022, battery prices are falling again this year. The price of ...

### [How Lithium Battery Prices Are Changing In 2025](#)

Lithium battery price in 2025 averages \$151/kWh, with EV packs from \$4,760-\$19,200. Prices keep falling due to tech advances and lower material costs.



### [China Energy Engineering launches record 25 GWh storage tender ...](#)

China Energy Engineering Corporation (CEEC), a state-owned infrastructure giant, has launched one of China's largest energy storage procurements to date, tendering 25 ...

### [Chinese LFP Battery Makers Expand Globally](#)

China's stranglehold on the global lithium iron phosphate (LFP) battery market has reached unprecedented levels in 2024. According to BloombergNEF's Q4 2024 Battery Market Report,



Chinese manufacturers ...



[Where will lithium-ion battery prices go in 2025?](#)

"This is anticipated to support the prices of key battery materials--such as [lithium iron phosphate] LFP, li-ion battery copper foil, and electrolytes--thereby stabilizing ...

**"Watershed moment:" Big battery storage prices hit record low in ...**

Huge China auction delivers another stunning fall in battery storage prices. It is being hailed as a potential tipping point for "round the clock" renewables.



[6 GWh BESS tender with average bid at \\$65/kWh](#)

The procurement exercise has attracted 67 battery energy storage companies but only six have emerged as winners. The average bid stood at CNY 0.473/Wh (\$65/kWh).



[Global battery industry enters new phase, says IEA](#)



The industry will reach the 1 TWh demand milestone in 2024, with China producing more than three-quarters of the batteries sold globally. The concentration of the ...



### [Battery Materials top calls for 2025](#)

As we look forward to another interesting year in the battery materials space, we outline our top calls for 2025, relating to prices, policy, corporate strategy, supply and demand.

### **TrendForce Forecasts Slight Increase in Battery Prices in 2025**

China's electric vehicle (EV) sales continued to grow throughout November 2024, driving demand for EV batteries, according to TrendForce. LFP battery prices remained stable, ...



### **China Energy Engineering Launches Record 25 GWh Storage Tender ...**

On June 3, 2025, China Energy Engineering Corporation (CEEC), a leading state-owned infrastructure company, initiated a significant procurement process for 25 GWh of lithium iron ...



## China Energy Engineering launches record 25 GWh storage tender ...

China Energy Engineering Corporation's landmark procurement signals a shift toward market-driven energy storage, with bids reflecting aggressive cost-cutting and rising ...



## [Pack prices fall to US\\$115/kWh in 2024](#)

December, as ever, marked the publication of BNEF's annual lithium-ion battery price survey and this year there were more interesting takeaways. This year's survey concluded that the volume-weighted average ...

## [IEA Report: LFP Dominates as EV Battery Prices Fall](#)

The IEA's report claims that battery pack prices fell by 20% in 2024, marking the largest decline since 2017. This decline was driven by low critical mineral prices and intense competition, which squeezed margins, ...



## [Where are EV battery prices headed in 2025 and ...](#)

The addition of LFP capacities outside of Greater China will raise the global average price of LFP cells in the midterm, but as the manufacturing cost is brought under control through process improvements, the global LFP average ...



### [TrendForce Forecasts Slight Increase in Battery ...](#)

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China's electric vehicle (EV) sales continued to grow throughout November 2024, driving demand for EV batteries, according to TrendForce. LFP battery prices remained stable, while prices for ternary batteries saw a slight ...

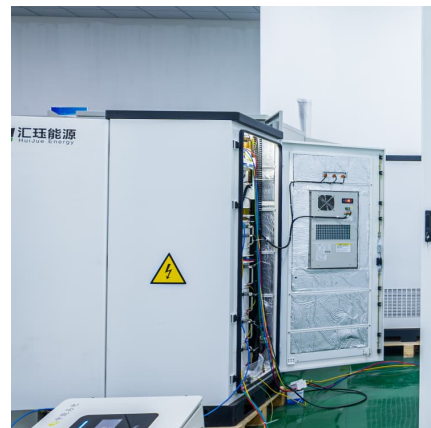


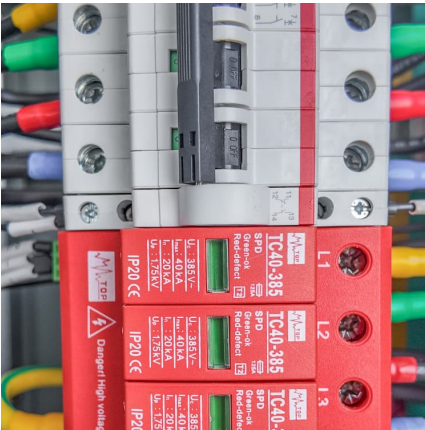
### [China's Huadian announces winners in 6 GWh BESS ...](#)

The latest results follow in the footsteps of recent procurements which saw similarly low prices. In December, PowerChina's 2025-2026 energy storage system procurement, which sought 16 GWh of BESS, saw bids ...

### [China's CGN New Energy announces winning bidders ...](#)

China's independent power producer CGN New Energy has announced the results of its 2025 procurement for lithium iron phosphate (LFP) battery energy storage systems, which will be installed alongside solar and ...





### LFP cell average falls below US\$100/kWh as battery pack prices ...

A 200MW/400MWh LFP BESS project in China, where lower battery prices continue to be found. Image: Hithium Energy Storage. After a difficult couple of years which ...

### [China's Huadian announces winners in 6 GWh BESS ...](#)

Public procurements in China continue to demonstrate exceptionally low price levels for lithium-ion phosphate (LFP) battery energy storage systems (BESS). In the latest tender, more than 80% of



### What Trump's tariffs mean for US battery storage industry

With prices in China on a downward trajectory, Rho Motion calculates that the LFP cell price could average around \$100/kWh at the current level of 65% tariff. "This will then ...

### China's lithium industry gets long overdue relief as ...

China's lithium industry is seeing a long-awaited respite after major players faced losses due to price slumps over the past few years. There have been frequent cases of lithium iron phosphate (LFP) producers receiving ...



### ESS Price Forecasting Report (Q1)

This Interim Update of the Energy Storage System (ESS) Q1 2025 Price Forecasting Report highlights how newly imposed U.S. tariffs are reshaping the cost landscape ...

### China Energy Engineering Launches Record 25 GWh Storage Tender ...

Wedoany Report-Jun 27, On June 3, 2025, China Energy Engineering Corporation (CEEC), a leading state-owned infrastructure company, initiated a significant procurement process for ...



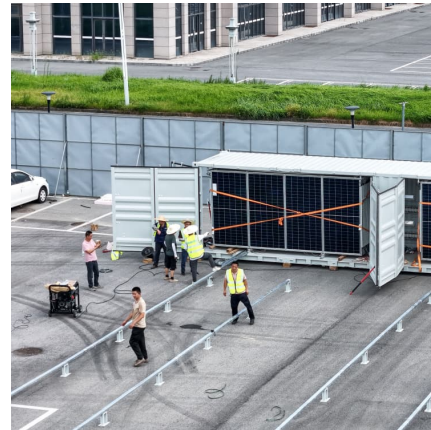
### "Mind blowing:" Battery cell prices plunge in China's ...

Latest battery storage auction prices in China stun analysts with another big price fall that could fast-track green energy switch and uptake of EVs.



### [China announces procurement of sodium-ion batteries ...](#)

In this tender, the price ceiling was set at CNY 16 million, equivalent to a unit price of CNY 0.8/Wh (\$110/kWh). Similar to the sodium-ion procurement, the semi-solid state technology will be supplied in two phases.



### [Battery price war: CATL, BYD pushing battery costs ...](#)

The price war for power batteries is intensifying, with the world's two largest battery makers reportedly pushing battery costs down further.

### ['Mind-blowing' bids in Power China's 16GWh BESS tender](#)

The tender for the design, manufacture, installation and 20-year operations & maintenance (O& M) of battery energy storage systems (BESS) for Power China's 2025-2026 ...



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