

Global PV Storage Insights

Enterprise ESS system tender price in China 2025



Overview

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).

Why are EPCs partnering with China's state-owned power companies?

EPCs in China are increasingly procuring and installing BESS for their customers. "As equipment suppliers, collaborating with these state-owned enterprises is important for not only any single tender, but also assessing long-term opportunities from China's power sector," Shi said.

Did power China work on a Bess project in Zhangjiakou?

A BESS project in Zhangjiakou that Power China worked on. Image: China Power Construction Group.

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ESS in China: Supportive policy to accelerate market growth

Installed ESS capacity in China has grown every year, as the country pledges to achieve net-zero by 2026, and with installed renewable energy capacity continually increasing. ...

China announces procurement of sodium-ion batteries with price ...

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 ...



[SMM Analysis] The First ESS Benchmark in 2025: China ...

[SMM Analysis] SMM has learned that on January 3, the China Huadian Corporation announced the tender for the 2025 LFP Electrochemical ESS Framework ...



SPIC Launches EPC Tender for 16MW/32MWh User-Side ESS ...

The maximum bid price for the project is 10.288 million yuan. Tender Announcement for the EPC General Contracting of the 16MW/32MWh User-

Side ESS Power ...



[SMM Analysis] Results of CNCEC's 6GWh ESS Battery Cell ...

This tender attracted eight top-tier enterprises, including EVE Power, REPT Battero, and Sunwoda Power, and was completed on March 21, 2025, with the announcement ...

What Are The Implications Of \$66/kWh Battery Packs In China?

China's battery packs plummet in price again. Hydrogen prices didn't decline and BNEF triples its estimates for future costs. The implications are huge.



CEEC Unveils Record-Breaking 25 GWh Battery Storage Tender, ...

China Energy Engineering Corporation (CEEC), a major state-owned enterprise, has issued one of the country's largest energy storage procurement tenders to date, targeting ...



'Mind-blowing' bids in Power China's 16GWh BESS tender

State-owned EPC firm China Power Construction Group (Power China) recently concluded a 16GWh BESS supply tender, which resulted in extremely low prices ...

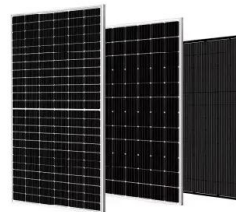


The five largest battery energy storage system ...

Mainland China battery storage market has experienced drastic growth since 2022 and is exclusively supplied by local players, leading to Chinese system integrators moving up on the global rankings.

Bigger cell sizes among major BESS cost reduction ...

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 ...



China reaches over 70GW of BESS, DC block prices 'stable'

A BESS project in China deployed by Hyperstrong, the largest system integrator in the domestic market. Image: Hyperstrong. China has reached well over 70GW of installed ...

Chinese Companies Fiercely Compete in the ESS Battery Sector: ...

Meanwhile, the global ESS battery market continues to exhibit the characteristics of "falling prices and rising volumes." According to relevant institutions, ...



EV and ESS battery suppliers to push for price increase: TrendForce

EV and ESS battery suppliers are expected to push for price increases in 2025 as global EV and energy storage demand grows, stabilizing key battery material prices like ...

China's Huadian announces winners in 6 GWh BESS ...

In December, PowerChina's 2025-2026 energy storage system procurement, which sought 16 GWh of BESS, saw bids ranging from \$60.5/kWh to \$82/kWh, averaging \$66.3/kWh.

Highvoltage Battery



BYD was shortlisted for the tender of the 50MW/100MWh energy ...

BYD was shortlisted for the tender of the 50MW/100MWh energy storage system equipment procurement for the standalone ESS power station project of China ...

Price cap of 1.05 yuan/Wh! Tender for EPC of 200 MWh User-side ESS ...

Polaris Energy Storage Network News: On May 14, Chongqing Liangjiang Changxing Power Co., Ltd. issued a tender announcement for the EPC of user-side ESS ...



Record low ESS price in China: \$51.59/kWh

Two-hour system average pricing has edged down ~1.8% from March's record low, but the four-hour system average and low bids have both dropped into the \$50s.

[SMM Analysis]India's SECI Issues Large-Scale Solar Plus ESS Tender

The pre-bid meeting for this tender is scheduled for July 10, 2025, and bidding will commence on August 21. SECI's tenders, along with those of other government agencies ...



China's CGN New Energy announces winning bidders in 10 GWh BESS tender

CGN New Energy has selected seven winners from 50 bidders in its 10 GWh battery energy storage system (BESS) tender, with the lowest bid at CNY 0.458/Wh (\$63/kWh).

Where will lithium-ion battery prices go in 2025?

According to Taipei-based intelligence provider TrendForce, the prolonged decline in the prices of Chinese electric vehicle (EV) and energy storage system (ESS) ...



China's Huadian announces winners in 6 GWh BESS ...

From ESS News 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

China'S Huadian Announces Winners In 6 Gwh Bess Tender ...

From ESS News Public procurements in China continue to demonstrate exceptionally low price levels for lithium-ion phosphate (LFP) battery energy storage systems ...



Key trends in battery energy storage in China

China has been an undisputed leader in the battery energy storage system deployment by a far margin. The nation more than quadrupled its battery fleet last year, which helped it surpass its 2025 target of 30 GW of ...



0.8 yuan/Wh! Tender for EPC of 600MWh User-Side ESS Power

...

Polaris Energy Storage Network learned that on April 23, Guoyang Yufeng Power Generation Co., Ltd. issued an EPC tender announcement for the user-side ESS power ...



The Standalone Energy Storage Market in India 1

In the first quarter of 2025, Standalone ESS tenders reached 6.1 gigawatts (GW), which accounted for 64% of all utility-scale energy storage tenders, which included all other use ...

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 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.

2024 Energy Storage Battery Cell Shipment Rankings

Moreover, in early 2025, BYD secured a major contract with the Saudi Electricity Company for a battery energy storage system project with a total capacity of 2.5 GW/12.5 GWh, setting the ...



BYD and others were shortlisted for the procurement tender of ...

The energy storage system equipment procurement for the China Resources Power Fangchenggang Fangcheng District 100MW (200MWh) centralized shared ESS power ...

Top Battery Energy Storage System (BESS) ...

The 2023 rankings by the Zhongguancun Energy Storage Industry Technology Alliance highlight China's top battery energy storage system integrators across domestic, global, user-side, and DC markets, showcasing ...



Energy Storage Systems (ESS) Projects and Tenders

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[SMM Analysis]India's SECI Issues Large-Scale Solar Plus ESS Tender

[SMM Analysis]On June 19, 2025, the Solar Energy Corporation of India (SECI) issued a Request for Selection (RfS) document, initiating a competitive tendering process. ...



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