

Government procurement price of household energy storage in China





Overview

The lowest EPC price for energy storage in China in May 2024 was 0.96 yuan/Wh, while the average bid price for lithium iron phosphate (LFP) energy storage EPC was 1.35 yuan/Wh.

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The bids were opened on December 4. The tender attracted 76 bidders, with quoted prices ranging from \$60.5/kWh to \$82/kWh, averaging \$66.3/kWh. Notably, 60 of the bids were below \$68.4/kWh, signaling competitive pricing trends in China's energy storage market. According to the previously announced.

State-owned EPC firm China Power Construction Group (Power China) recently concluded a 16GWh BESS supply tender, which resulted in extremely low prices amidst a squeezing of market share and increased buying power from state-owned companies, an S&P analyst told Energy-Storage.news. The tender for.

The average bid price in June reached 1.12 yuan per Wh, marking the lowest price point this year. Specifically, the average bid price for energy storage system equipment was 1.04 yuan/Wh, while the EPC average bid price stood at 1.49 yuan/Wh. Notably, the bidding capacity for energy storage system.

This report analyses the winning bid price trends of energy storage systems and turnkey EPCs in China's utility-scale and C&I energy storage market in H2 2024. It is based on the prices from all the publicly announced winning bids from January 2023 to December 2024 by different districts, project.

As of March 2025, the average price for industrial-scale lithium iron phosphate (LiFePO₄) battery systems has hit ¥0.456 per watt-hour (Wh) in competitive bids [4]—that's cheaper than some bottled water! Three factors are fueling this pricing freefall: Check out these real-world steals: Campers'.



The lowest EPC price for energy storage in China in May 2024 was 0.96 yuan/Wh, while the average bid price for lithium iron phosphate (LFP) energy storage EPC was 1.35 yuan/Wh. For energy storage systems, the lowest bid price was 0.61 yuan/Wh, and the average bid price for LFP energy storage was. How much does energy storage cost in China?

In what is described as the largest energy storage procurement in China's history, Power Construction Corporation of China (PowerChina) is targeting an unprecedented cumulative storage capacity of 16 GWh. The bids were opened on December 4. The tender attracted 76 bidders, with quoted prices ranging from \$60.5/kWh to \$82/kWh, averaging \$66.3/kWh.

What is the largest energy storage procurement in China's history?

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What does China Energy Engineering Corporation's landmark procurement mean for energy storage?

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

How big is China's energy storage?

According to the China Energy Storage Alliance (CNESA), new storage installations in China reached 13.3 GW/ 32.1 GWh in the first five months of 2025, up 52.5% / 41.8% year-on-year. The CEEC procurement was split into three packages, totaling 25 GWh and covering systems with durations of one, two, and four hours.

Why is the energy storage industry growing in China?

The energy storage industry in China has experienced rapid growth over the past decade, driven by the country's increasing focus on renewable energy and its efforts to reduce greenhouse gas emissions.

Is China Power Construction Group squeezing market share?



Image: China Power Construction Group. State-owned EPC firm China Power Construction Group (Power China) recently concluded a 16GWh BESS supply tender, which resulted in extremely low prices amidst a squeezing of market share and increased buying power from state-owned companies, an S&P analyst told Energy-Storage.news.



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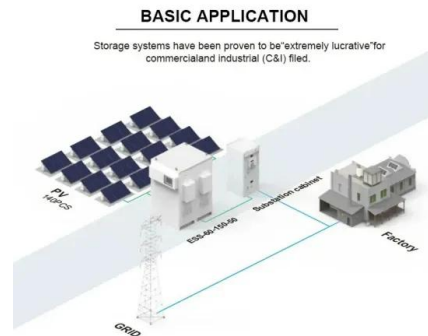
[CNESA Global Energy Storage Market Tracking](#)



China EPC bidding update of 2024 Q3: Bidding reaches record high, energy storage system bid prices hit historic lows In the first three quarters of 2024, the bidding volumes for battery systems, energy storage systems, and ...

Bidding Overview of Domestic Energy Storage in June

The average bid price in June reached 1.12 yuan per Wh, marking the lowest price point this year. Specifically, the average bid price for energy storage system equipment ...



PowerChina receives bids for 16 GWh BESS tender ...

The large-scale centralized procurement aims to secure resources for PowerChina's renewable energy projects and align with China's green energy transition goals. Analysts regard this tender as a landmark for ...



[Navigating The Battery Storage Boom](#)

Source: BloombergNEF (via Energy-Storage.News, Dec 2024) - Lithium-ion battery price survey results. The content of this article is intended to provide a general guide to ...



Nation to become a global energy storage powerhouse

The government's long-term goal is to position China as a global manufacturing powerhouse in energy storage, contributing to the efficient development and utilization of renewable energy resources

?LARGEST ENERGY STORAGE CENTRALIZED PROCUREMENT IN CHINA

Why is energy storage important in China? Developing energy storage is an important step in China's transition from fossil fuels to renewable energy, while mitigating the effect of new ...



China price tracker: energy storage winning bids ...

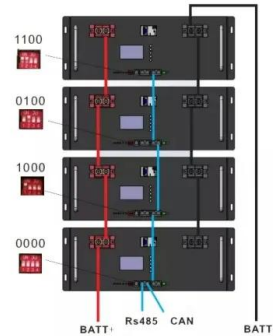
This report analyses the winning bid price trends of energy storage systems and turnkey EPCs in China's utility-scale and C& I energy storage market in H2 2024.





China targets 30GW storage by 2025 as BESS output ...

China is aiming for 50% electricity generation from renewable power by 2025, up from 42% currently. China is targeting a non-hydro energy storage installed capacity of 30GW by 2025 and grew its battery production ...



Does public procurement promote renewable energy innovation?

Public procurement has been an indispensable demand-side instrument to drive innovation, but there is no evidence on whether public procurement affects renewable energy ...

Home Energy Storage Systems and Inverters: Technological ...

As global energy transition accelerates and household electricity demands diversify, home energy storage systems (HESS), combined with photovoltaic (PV) self ...



China Energy Engineering launches record 25 GWh ...

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



China Energy Engineering launches record 25 GWh ...

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



[Economics of Urban Distributed PV in China](#)

This report summarizes the results of an analysis of the economics of distributed solar and solar plus storage across many of China's largest cities, given time-of-use pricing presently available ...

The Complete Guide to Energy Storage Procurement ...

The Chinese government has set a clear goal (the 14th FYP for Energy Storage) to reduce the cost of new energy storage systems by more than 30% by 2025, with a target price of RMB



Household Energy Storage Demand Analysis: Trends, Drivers, ...

Rising electricity costs: With European retail electricity prices hitting EUR0.32/kWh in 2022 [3], homes are adopting storage to slash bills. In Germany, pairing solar with storage ...



Household energy consumption, energy efficiency, and household ...

The results show that: (1) household income and education level, population growth, energy price, and number of days people need heating service are all positively related ...



An energy storage roadmap study incorporating government ...

Abstract The strategic coordination of government subsidies with energy storage development and source-grid-load-storage (SGLS) integration represents a pivotal challenge in achieving ...

Impacts of China's Minimum Grain Procurement Price ...

China's minimum grain procurement price program aims to boost grain production and ensure food self-sufficiency. It may also affect the already very high levels of chemical fertilizer and pesticides consumption, but ...



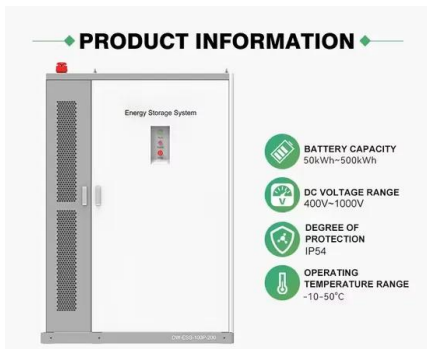
[Procurement Processes_092412](#)

Understanding China's procurement processes This report provides insight into the procurement processes in China, including the legal framework for bidding, an overview of the bidding ...



China's Energy Storage Prices: Navigating the New Era of Sub ...

As the dust settles, one thing's clear - China's storage sector is rewriting the rules of energy economics. Companies that master cost control while exploring new business models will ...



[China shines in global energy storage](#)

China's energy storage industry has experienced explosive growth in recent years, driven by rapid advancements in technology and increased demand, solidifying its position as a leader in terms of

USAID Energy Storage Decision Guide for Policymakers

This work was authored, in part, by the National Renewable Energy Laboratory (NREL), operated by Alliance for Sustainable Energy, LLC, for the U.S. Department of Energy (DOE) under ...



China announces procurement of sodium-ion batteries ...

The warranty period of the storage system is two years. On the same day, Shanghai Shenneng New Energy Storage Research and Development has also launched a procurement for the semi-solid state components of the ...



Energy storage EPC prices continue to decline in China, with 4 ...

The lowest EPC price for energy storage in China in May 2024 was 0.96 yuan/Wh, while the average bid price for lithium iron phosphate (LFP) energy storage EPC was ...



New Government Procurement Policy: Domestic Products to ...

The draft policy focuses on industrial products listed in the Government Procurement Item Classification Directory. A key proposal is to grant domestic products a 20% ...

China restates level playing field for firms of different ownerships ...

BEIJING, July 4 -- China aims to ensure that products manufactured by enterprises of different ownerships within the country can participate equally in government ...



Bidding Overview of Domestic Energy Storage in June

With the rise in lithium carbonate prices from around 180,000 yuan per ton to approximately 300,000 yuan per ton in June, it is expected that energy storage prices will ...



Battery Energy Storage System Market Size, Trends & Regional ...

The global battery energy storage system market size was estimated at USD 10.16 billion in 2025 and is anticipated to grow from USD 12.61 billion in 2026 to USD 86.87 billion by 2034, growing ...



Analysis of energy storage policies in key countries

According to public industry data, newly installed capacity of energy storage projects in China soared to 16.5GW in 2022, of which installation of new energy storage projects hit a record ...

Energy poverty and government subsidies in China

This study first builds a Propensity Score Matching-Difference-in-Differences (PSM-DID) model and empirically tests the impact of government subsidies on household ...



The Complete Guide to Energy Storage Procurement ...

The Chinese government has set a clear goal (the 14th FYP for Energy Storage) to reduce the cost of new energy storage systems by more than 30% by 2025, with a target price of RMB 0.8-1.0/Wh (~\$0).



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