

26 YUAN ENERGY STORAGE BATTERY PROFIT ANALYSIS



How did China's energy storage battery business perform in 2023? The revenue of 27.985 billion yuan for the first half of 2023 marked a substantial 120% year-on-year growth. Notably, the company's energy storage battery sales during this period amounted to almost 35GWh, reflecting an impressive year-on-year growth rate of nearly 140%.



What is China's demand for power batteries in 2021? The rapid development of new energy vehicles has also driven the industry's demand for power batteries. In 2021, the cumulative load of power batteries in China will exceed 154.5GWh, with a year-on-year growth of 142.8%. Among them, the battery load of CATL will account for about 52.1%, accounting for half of the power batteries.



How much is Power Battery revenue in 2021? The power battery revenue accounts for about 80% of the operating revenue. In 2021, the power battery system revenue will be 91.491 billion yuan, a year-on-year increase of 132.06%, and the gross profit margin will be 22.00%, a year-on-year decrease of 4.56%.



Is the current CATL a profit model dominated by power batteries? It is concluded that the current CATL is a profit model dominated by power batteries, and the lithium battery industry chain is constantly improving its layout. The profit model of the enterprise is not unchanging but changing with the development of the enterprise.



Will China's power battery market continue to expand? With the rapid growth of the penetration rate of new energy vehicles, the healthy development of the industrial chain and the effective control of the epidemic situation, China's power battery market will continue to expand. The Authors, published by EDP Sciences.

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What are the top 5 Power Battery enterprises in China? In 2020 and 2021, the TOP5 of power battery enterprises in China is the new energy of CATL, BYD, CALB, GOTION HIGH???, TECH and LG Energy Solution, in which the two???, year loading of vehicles in CATL accounts for more than 50% of the total domestic share.



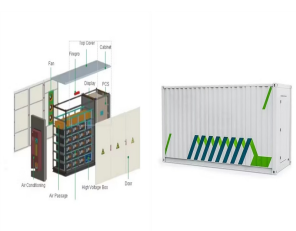
CATL's energy storage batteries generated 28.82 billion yuan in revenue in the first half, up 3% year on year, while revenue from its EV batteries skidded 19.2% to 112.65 billion ???



The role of Electrical Energy Storage (EES) is becoming increasingly important in the proportion of distributed generators continue to increase in the power system. With the deepening of ???



The bidding volume of energy storage systems (including energy storage batteries and battery systems) was 33.8GWh, and the average bid price of two-hour energy storage systems (excluding users) was ?1.33/Wh, which ???



By then, the cumulative market size for global C& I energy storage is projected to reach RMB 19 to 24 billion yuan. However, in 2023, the newly added capacity for global C& I energy storage was ???

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In November 2014, the State Council of China issued the Strategic Action Plan for energy development (2014-2020), confirming energy storage as one of the 9 key innovation areas.



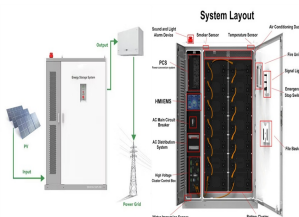
Contemporary Amperex Technology, China's largest automotive lithium-ion battery maker, posted strong net profit growth of 44 percent in 2023. Net profit attributable to its shareholders surged to 44.1 billion yuan (US\$6.21 billion).



In H1 2023, Tesla achieved a gross profit margin of 18.74% for its sales, while the gross profit margin for the energy storage business stood at 14.7%, with gross profit margin in Q2 reaching 18.4%. Thanks to the industry's rapid development.



For example, in 2026, when the energy storage cost is reduced to 0.8 yuan/kWh, the payback period boundary value is approximately 7.8 years, allowing the investment cost to be recovered over the life cycle. The payback period is significantly shorter than the 10-year typical lifespan.



The rapid development of new energy vehicles has also driven the industry's demand for power batteries. In 2021, the cumulative load of power batteries in China will exceed 154.5GWh, with a total capacity of 1.5TWh.

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Net profit attributable to its shareholders surged to 44.1 billion yuan (about \$6.21 billion) in the period, CATL said in its annual report filed to the Shenzhen Stock Exchange Friday. In 2023, the battery giant generated ???



In scenario 2, energy storage power station profitability through peak-to-valley price differential arbitrage. The energy storage plant in Scenario 3 is profitable by providing ancillary ???