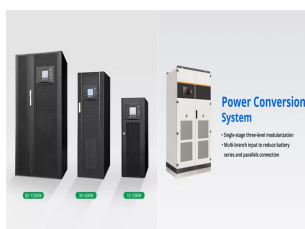


# CHINA POWER ENERGY STORAGE RECORD



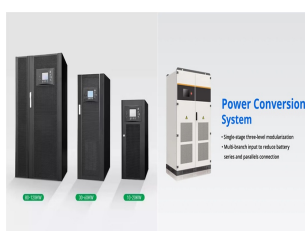
Does China's energy storage capacity exceed pumped storage capacity? China's installed capacity of new-type energy storage exceeded that of pumped storage for the first time at the end of 2024, according to a recent data release by China Energy Storage Alliance.



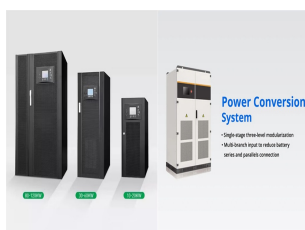
How much energy storage does China have in 2023? By the end of 2023, China had completed and put into operation a cumulative installed capacity of new type energy storage projects reaching 31.4GW/66.9GWh, with an average storage duration of 2.1 hours. The newly added installed capacity in 2023 was approximately 22.6GW /48.7GWh, which is three times that for 2022 (7.3GW /15.9GWh).



Will China reach 30gw of energy storage by 2025? The deployment of ???new type??? energy storage capacity almost quadrupled in 2023 in China, increasing to 31.4GW, up from just 8.7GW in 2022, according to data from the National Energy Administration (NEA). This means that China surpassed its target of reaching 30GW of the ???new type??? energy storage by 2025 two years earlier than planned.



Is China's power storage capacity on the cusp of growth? China's power storage capacity is on the cusp of growth, fueled by rapid advances in the renewable energy industry, innovative technologies and ambitious government policies aimed at driving sustainable development, experts said.

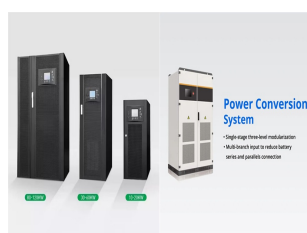


What is the new type energy storage industry in China? The remaining half is comprised primarily of batteries and emerging technologies, such as compressed air, flywheel, as well as thermal energy. These technologies, known as the ??? new type ??? energy storage in China, have seen rapid growth in recent years. Lithium-ion batteries dominate the ???new type??? sector.

# CHINA POWER ENERGY STORAGE RECORD



Where does China's storage capacity come from? The majority of China's storage capacity comes from large-scale storage projects, such as hydropower with reservoirs on the Yangtze River and gigawatt-level battery energy storage systems in Inner Mongolia. Aerial view of the Three Gorges Dam in Hubei province, China. Credit: Sipa US /Alamy Stock Photo



China is currently the world's largest market for energy storage, followed by the US and Europe, according to BloombergNEF. This position was driven by a combination of market factors



The deployment of "new type" energy storage capacity almost quadrupled in 2023 in China, increasing to 31.4GW, up from just 8.7GW in 2022, according to data from the National Energy Administration (NEA). This means that



Energy storage has become pivotal in ensuring the efficient operation of the power grid and accelerating the transition to green energy sources as China accelerates its transition to green energy



A wind farm generates power for grids in Zhoushan, Zhejiang province. [Photo by YAO FENG/FOR CHINA DAILY] China Energy Investment Corp's renewable power generation capacity touched a record during

# CHINA POWER ENERGY STORAGE RECORD



It is estimated that the electricity shortfall in Northwest China's Xinjiang Uygur autonomous region will exceed 8 million kilowatts by 2030, making new energy storage a necessity to support the operation of the power grid with ???



The cumulative installed capacity of new energy storage projects is 21.1GW/44.6GWh, and the power and energy scale have increased by more than 225% year-on-year. Figure 1: Cumulative installed capacity (MW%) of ???



China is committed to steadily developing a renewable-energy-based power system to reinforce the integration of demand- and supply-side management. in 2022, when according to the National Energy ???



EP is the leading and the most established electric power exhibition in china, The 32nd China International Exhibition on Electric Power Equipment and Technology Shanghai International Energy Storage Technology Application ???



Power Construction Corporation of China and India's Larsen & Toubro have been chosen as the preferred engineering, procurement, and construction contractors for the project. Bidding reaches record high, energy storage system bid ???



The Company boasts international leadership in pioneering technologies across diverse domains, encompassing new energy storage, high-altitude wind energy harnessing, solar-thermal power generation, thermal power generation, ???