

In 2022, 194 electrochemical storage stations were put into operation, with a total stored energy of 7.9 GWh. These accounted for 60.2% of the total energy stored by stations in operation, a year-on-year increase of 176% (Figure 4).

Around 15 states have adopted some form of energy storage policy, including procurement targets, regulatory adaption, demonstration programs, financial incentives, and/or consumer protections. Several states have also required that utility resource plans include energy storage.

In terms of developments in China, 19 members of the National Power Safety Production Committee operated a total of 472 electrochemical storage stations as of the end of 2022, with a total stored energy of 14.1 GWh, a year-on-year increase of 127%.

To promote the implementation of independent energy storage stations, it is necessary to further optimise the electricity market mechanism. segments and targets. Investor participation is beneficial for the development of the energy storage industry.

The energy storage industry is going through a critical period of transition from the early commercial stage to development on a large scale. Whether it can thrive in the next stage depends on its economics.

In January 2022, the National Development and Reform Commission and the National Energy Administration jointly issued the Implementation Plan for the Development of New Energy Storage during the 14th Five-Year Plan Period, emphasizing the fundamental role of new energy storage technologies in a new power system.

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To address these issues, various rapid energy storage methods have emerged as ancillary services, enabling the storage of energy, relieving the pressure on integrating renewable ...

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