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Electric Power Industry Statistics New Energy Storage



Overview

Is China entering a new era of energy storage demand?

Mainland China accounts for most of the global energy storage demand, driven in the near term by regional requirements for new utility-scale wind and solar projects to include energy storage capacity. However, the Chinese market is entering an era of change.

What is the energy storage systems industry?

The energy storage systems industry by technology is segmented into pumped hydro, electro-chemical, electro-mechanical, and thermal. The energy storage systems reached USD 433 billion, USD 535.8 billion and USD 668.7 billion in 2022, 2023 and 2024 respectively.

Should energy storage be developed?

Developing energy storage has become a global consensus. It was announced at COP29 in late 2024 that global storage capacity will increase to 1,500 GW by 2030, more than six times the 2022 level. As a result, InfoLink maintains a cautiously optimistic outlook for the medium- to long-term development of energy storage systems.

How has cost decline impacted energy storage?

This trend may highlight that the cost decline over the past few years has driven energy storage into an era of accelerated diversification in the global market. The European energy storage market added 19.1 GWh of installed capacity in 2024, up 12.4% YoY, with drastic changes in the ESS landscape throughout the year.

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The Coverage and Intensity of Policies Continuing to Increase Technological breakthrough and industrial application of new type storage are included in the 2023 energy ...

The global energy storage market added 175.4 GWh of installed capacity in 2024, with the three major regional markets--China, the Americas, and Europe--continuing to ...

The China New Energy Storage Development Report 2025 represents a major milestone in the institutionalization of NES planning and governance in China. By quantifying ...

The global battery industry has been gaining momentum over the last few years, and investments in battery storage and power grids surpassed 450 billion U.S. dollars in 2024.

Global installed energy storage capacity by scenario, 2023 and 2030 - Chart and data by the International Energy Agency.

Around two-thirds of the additional capacity was utility scale, supported primarily by provincial level mandates pairing new solar PV or wind power projects with energy storage. ...

The energy storage systems market size exceeded USD 668.7 billion in 2024 and is expected to grow at a CAGR of 21.7% from 2025 to 2034, driven by the rising demand for grid stabilization ...

The China New Energy Storage Development Report 2025 represents a major milestone in the institutionalization of NES planning ...

A list of reports relevant to the Energy Storage Grand Challenge

Foreword Stepping up efforts to develop new energy storage technologies is critical in driving renewable energy adoption, achieving China's 30/60 carbon goals, and ...

The global energy storage market is poised to hit new heights yet again in 2025. Despite policy changes and uncertainty in the world's two largest markets, the US and China, ...

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