

What are the Heishan charging rope energy storage power stations





Overview

Why are China's power stations important?

China's power stations are a cornerstone of the nation's rapid industrialization and economic growth. As the world's largest energy consumer, understanding the intricacies of China's power generation landscape is crucial.

What is the scope of energy storage in the PRC?

“ 国家能源局发布《抽水蓄能中长期发展规划（2021—2035年）》，” People's Government of the PRC, 3 Jan 2023, at https://www.gov.cn/xinhua/2023-01-03/content_6868888.htm. The scope includes two categories: dispatch-controlled new type energy storage and self-used new type energy storage by power stations.

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).

How many energy stations does CNPC have?

The company strives to build a “low-carbon energy ecosystem” featuring integrated development of fossil and clean energies. So far, CNPC has built 1,305 PV and storage stations, 718 charging and swap stations, 18 hydrogen refueling stations and 62 integrated energy service stations.



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