

Distribution map of energy storage sites in china

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 has infrastructure development impacted the distribution of energy?

In recent years,governments at all levels have expanded investment in infrastructure construction to expand the coverage of distributed energy. For example,China has successively built natural gas transportation pipelines,and transported natural gas from Russia and Kazakhstan to China.

What is the growth rate of distributed energy in China?

Distributed energy growth in Hebei, Shandong, Shanghai, Tianjin, Jilin, Shanxi, Anhui, and Inner Mongolia provinces is faster, with average growth rates of 23.5%, 20.4%, 16.9%, 19.3%, 20.7%, 35.9%, 33.8. %, and 37.1% respectively. In other provinces, the output of distributed energy has grown slowly.

Which region has the greatest impact on distributed energy?

From a regional perspective,foreign oil dependence has the greatest impact on distributed energy in the eastern region,with an impact coefficient of 0.52. The influence coefficients in the central and western regions are 0.2 and 0.16 respectively.

How will the demand for distributed energy change in China?

On the contrary,industrial enterprises and residents will expand the consumption of traditional fossil fuels,so the demand for distributed energy will decrease. At present,China's fossil fuel consumption is mainly motor vehicles in the transportation sector.

Where are distributed energy resource companies located?

Specifically, distributed energy resource companies are mainly concentrated in certain areas. For example, there are many photovoltaic manufacturers in Jiangsu, Zhejiang, Xinjiang and Shandong provinces. A large number of wind farms have been built in Inner Mongolia, Xinjiang and Gansu provinces.



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