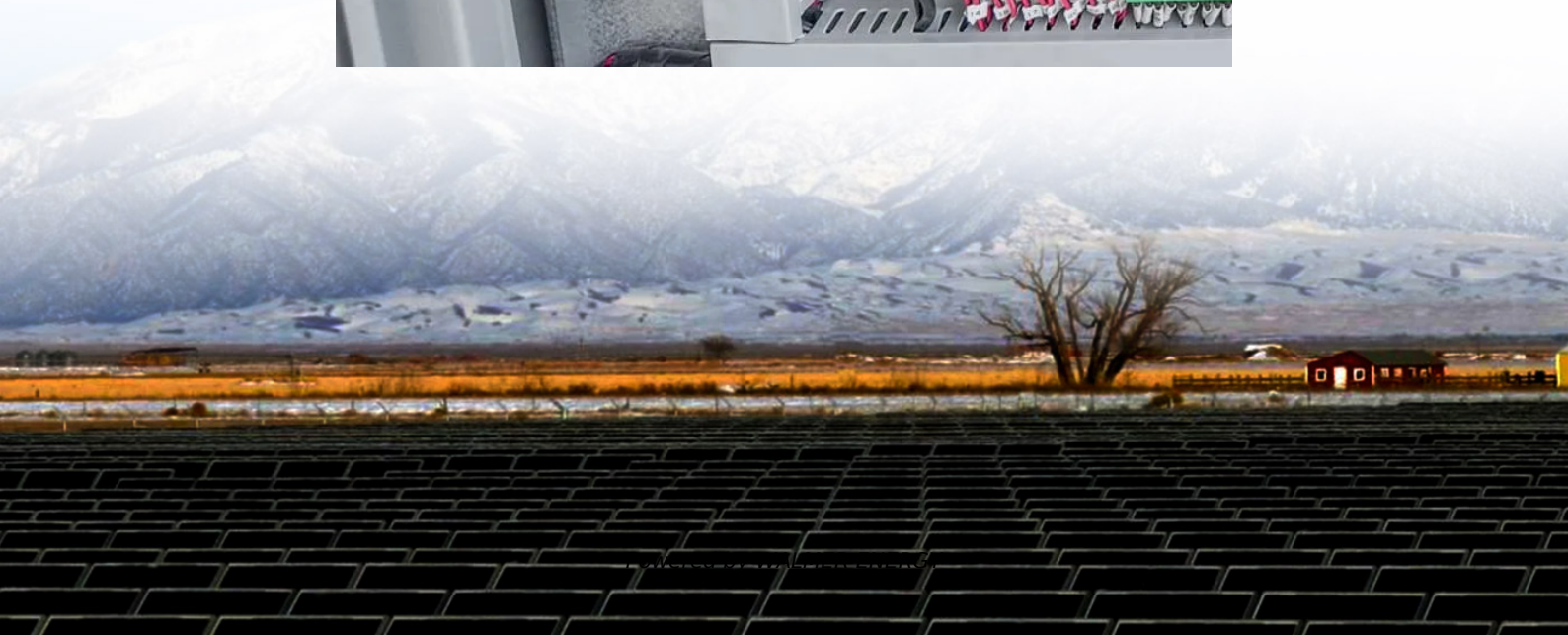


Demand for energy storage power stations explodes





Overview

According to China Energy Network, as the global penetration rate of new energy continues to rise, the core value of energy storage as a “stabilizer” and “regulator” for power systems has become increasingly prominent, driving explosive growth in market demand. 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.

Why is energy storage and demand response important in China?

Providing valuable policy implications for the development of energy storage and demand response in China. Energy storage and demand response offer critical flexibility to support the integration of intermittent renewable energy and ensure the stable operation of the power system.

How does energy storage affect demand response?

The utilization of demand response is offset by the more cost-effective flexibility options provided by energy storage, leading substitution between energy storage and demand response. Nevertheless, as demand response capacity and time period increase, demand response grows rapidly.

What are the challenges in the application of energy storage technology?

There are still many challenges in the application of energy storage technology, which have been mentioned above. In this part, the challenges are classified into four main points. First, battery energy storage system as a complete electrical equipment product is not mature and not standardised yet.



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