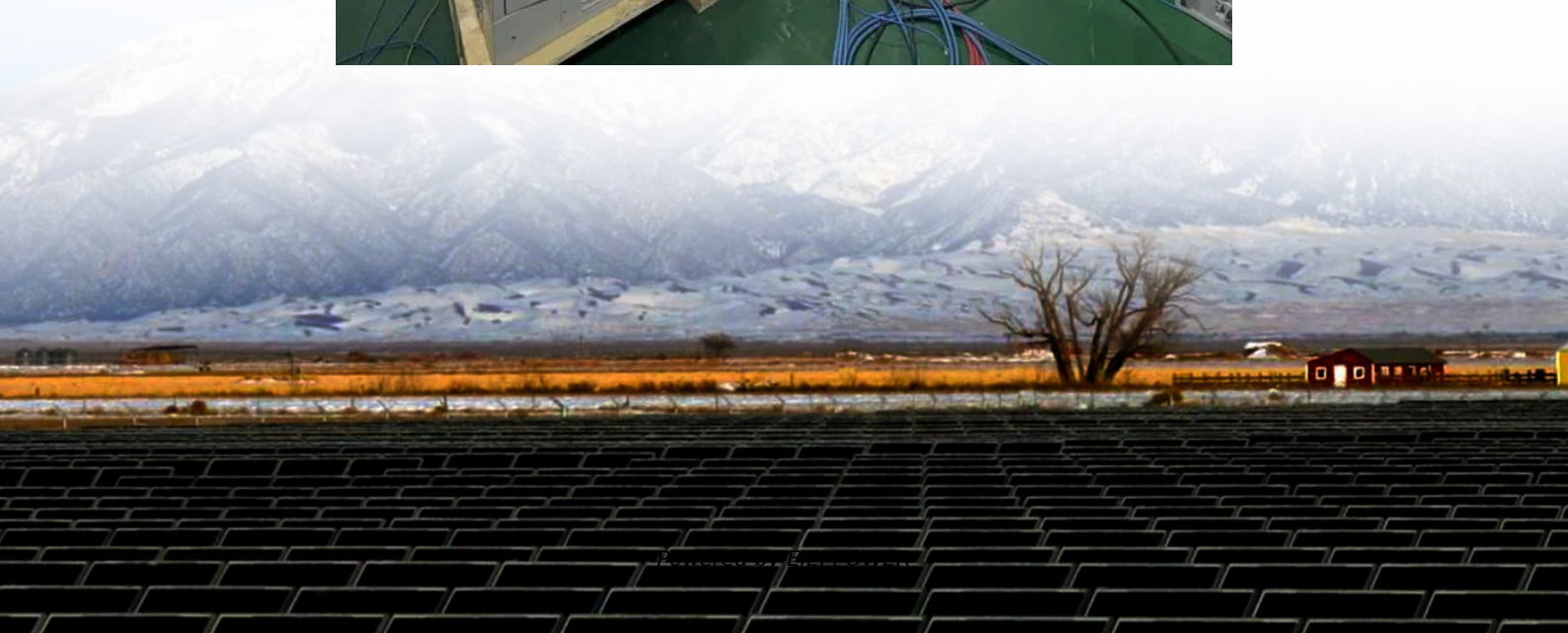


# Wind power energy storage booster station





## Overview

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How can wind energy be stored?

Since wind conditions are not constant, wind energy can be stored by combining wind turbines with energy storage systems. These hybrid power plants allow for the efficient storage of excess wind power for later use.

How can we enhance wind energy storage?

To improve wind energy storage and make wind power systems more efficient and cost-effective, various innovation projects and research initiatives are underway. These projects involve collaborations between universities, research institutes, and companies worldwide to address energy storage challenges.

How to improve the reliability of offshore wind power DC booster station?

An integrated scheme of DC booster station with voltage conversion, power flow distribution and fault protection is proposed. The integration scheme includes the integration of main circuit design, converter topology and control and protection strategy, which will effectively improve the operation reliability of offshore wind power DC boost system.

What is the largest grid-forming energy storage station in China?

This marks the completion and operation of the largest grid-forming energy storage station in China. The photo shows the energy storage station supporting the Ningdong Composite Photovoltaic Base Project. This energy storage station is one of the first batch of projects supporting the 100 GW large-scale wind and photovoltaic bases nationwide.



## Wind power energy storage booster station

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