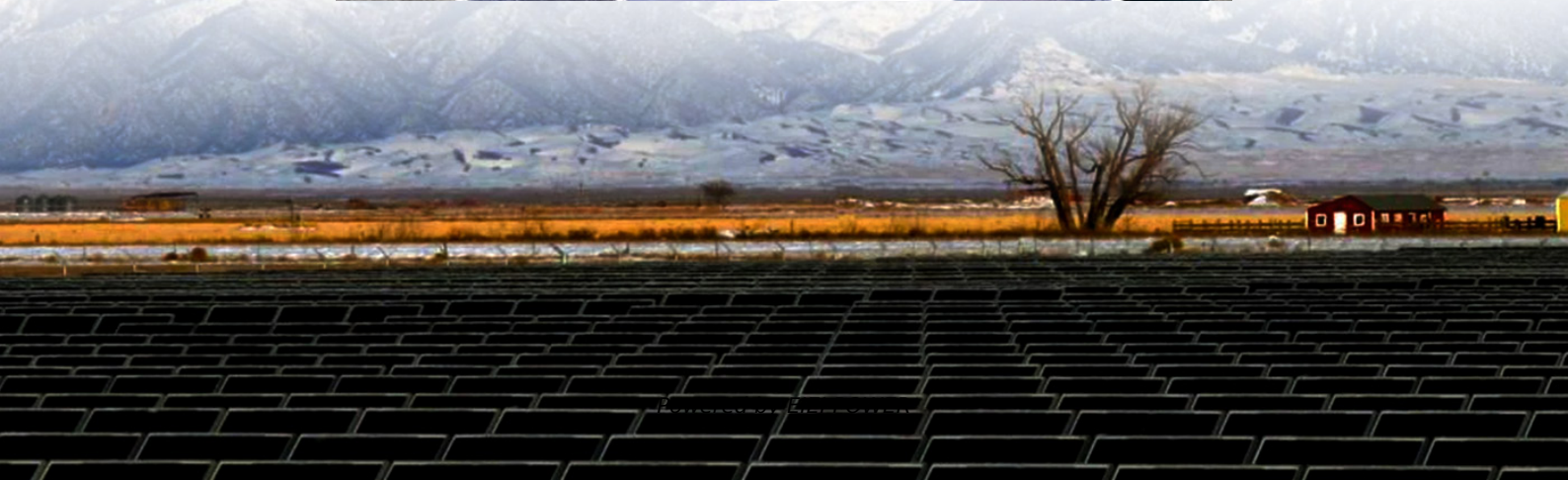


# **The world s largest wind-solar hybrid power generation system**





## Overview

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What is hybrid wind-solar power?

Wind-solar hybrid power ensures continuous renewable supply during daytime hours. Adjusting wind and solar proportions enhances their complementary strength. The instability of wind and solar power hinders their penetration into electrical transmission networks. Hybrid wind-solar power generation can mitigate the instability of wind or solar power.

Which is the largest wind-solar hybrid power plant in India?

With the latest commissioning, AGEL's operating wind-solar hybrid portfolio has reached 2,140 MW, continuing to be the largest in the world. The company's overall operating renewable portfolio has reached 8,024 MW, the largest in India. The new hybrid power plant consists of 600 MW solar and 510 MW wind plants.

Where is the world's largest hybrid power plant located?

This was followed by the commissioning of the world's largest co-located hybrid power plant of 600 MW in September 2022 and the third hybrid power plant of 450 MW in December 2022. All three of these hybrid energy generation assets are located in Jaisalmer, Rajasthan.

Can hybrid wind-solar power reduce the instability of wind and solar power?

The instability of wind and solar power hinders their penetration into electrical transmission networks. Hybrid wind-solar power generation can mitigate the instability of wind or solar power. However, research on complementary methods and the temporal distribution of wind and solar energies remains insufficient.



## The world s largest wind-solar hybrid power generation system

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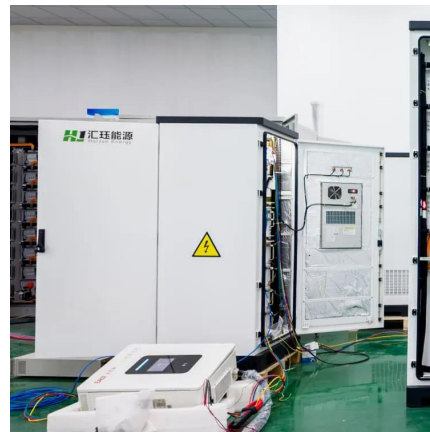


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### **Equinor powers up first wind-solar hybrid complex , Upstream**

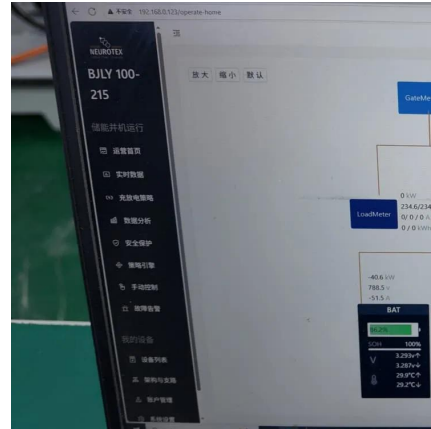
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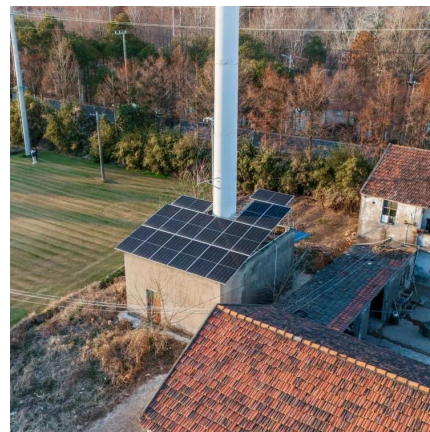


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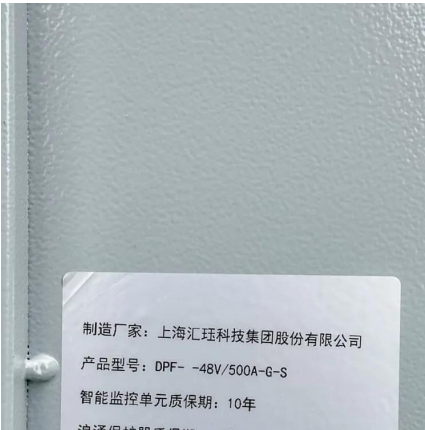
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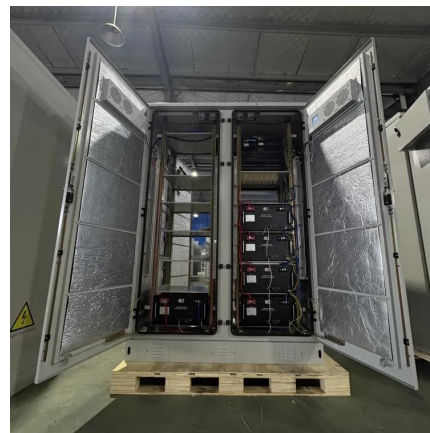


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