

Brasilia Super Base Station Power System





Overview

The Brasília power station is a 1,470 MW gas-fired power plant proposed for construction in the community of Samambaia on the outskirts of Brazil's capital city, Brasília. [4][5] The project would operate in a combined cycle configuration, with 3 gas turbines and 1 steam turbine. [5] How will a power transmission line work in Brazil?

Stretching through the states of Maranhão, Tocantins, and Goiás, the power transmission line will take clean energy like wind, solar, and hydroelectric power from Northeast and North Brazil to the country's core areas like Brasília, the federal capital of Brazil, meeting the demands of approximately 12 million people.

How are grid connection queues transforming Brazil's energy industry?

Grid connection queues in Brazil are offering new opportunities for energy storage and hybrid systems and opening new energy business models. Renewable energy companies are adding solar and batteries to their utility-scale wind power sites to use existing power transmission capacity.

What is the largest power transmission project in Brazil?

It is the largest power transmission concession project and the largest infrastructure construction project in Brazil in recent years. State Grid won the bid for the project on Dec 15, 2023, its third time to shoulder a UHV power transmission project overseas. The first two projects are also located in Brazil.

What is the largest source of electricity in Brazil in 2024?

In 2024, solar power, when including distributed generation, became the second largest source of electricity in Brazil, surpassing wind power, and reaching almost 50 GW. Utility scale solar energy in Brazil reached 16.4 GW, while distributed generation from solar accounted for 34 GW in 2024.



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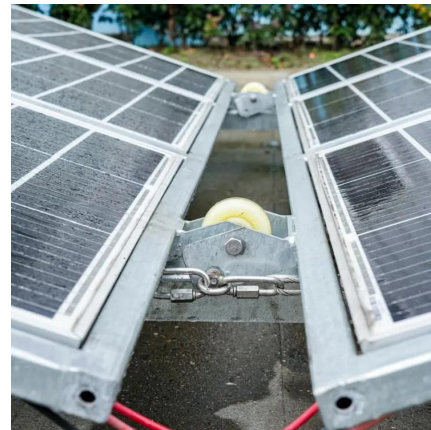


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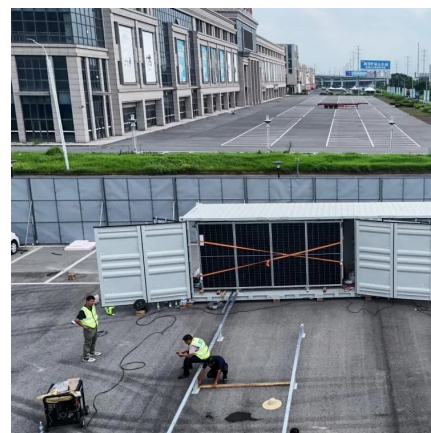
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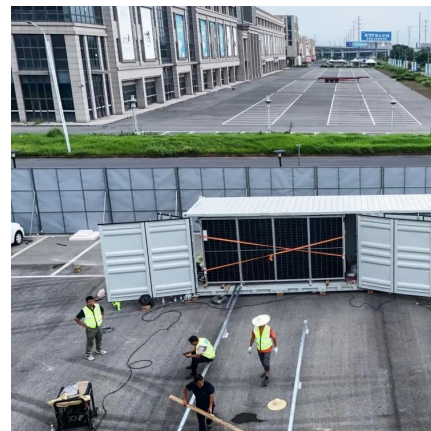


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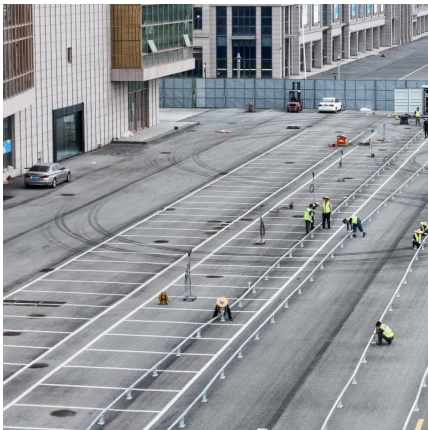
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