

Juba solar grid-connected power generation system





Overview

What is a solar power plant in South Sudan?

Image: The recently launched 20MW solar energy plant in South Sudan.
Credit: Ezra Group A public-private partnership in South Sudan has launched the country's first major solar power plant and Battery Energy Storage System (BESS) in the capital Juba, where it is expected to provide electricity to thousands of homes.

How much power can a 20MW solar plant produce in Juba?

The 20MW solar plant can generate sufficient power to supply electricity to up to 16,000 households in Juba, significantly reducing energy costs and bolstering grid reliability, said the project's developer.

Who distributes electricity in Juba?

The Juba Electricity Distribution Company (JEDCO), a public-private partnership between Ezra Group and SSEC, is responsible for distributing electricity to the public in Juba. JEDCO receives bulk energy from Ezra Construction & Development Group and distributes it across the region.

How will solar power help South Sudan?

By integrating renewable energy into the national grid, the initiative supports South Sudan's environmental sustainability goals while making electricity more affordable and accessible for the local population. The 20 MW solar plant will generate enough electricity to power approximately 16,000 households in Juba.



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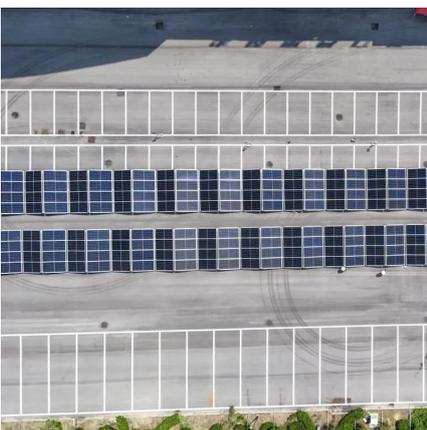
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Smart grid juba

This solar power plant is a grid-connected system integrated with 30MW of diesel generators and has been completed in two phases, each phase with 13MWp. All the panels have been ground ...



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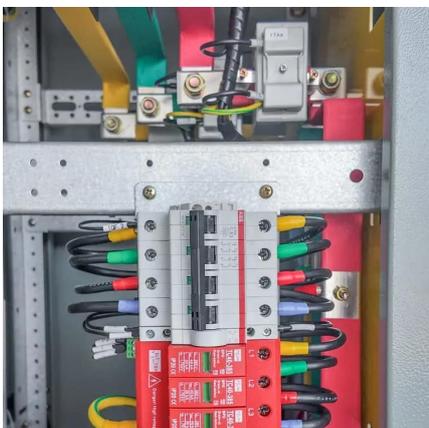


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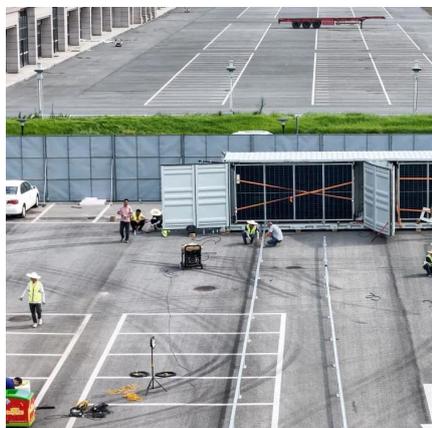
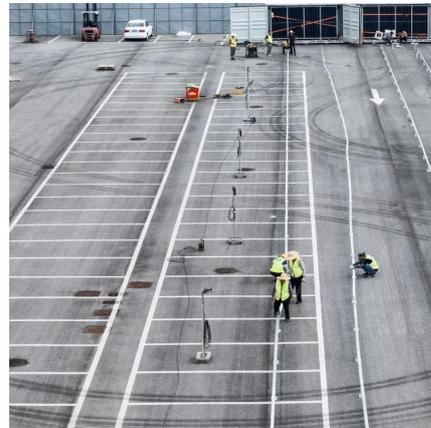


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