

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.

Why is Juba launching a 20MW solar project?

The project contributes not only to the country's environmental targets but also to improving energy accessibility and affordability for local communities. The 20MW solar facility is capable of supplying power to approximately 16,000 households in Juba, offering a significant reduction in energy prices and enhancing grid stability.

Who distributes electricity in Juba?

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

What is a solar power plant & a battery energy storage system?

Developed and financed by Ezra Construction & Development Group Ltd., the 20-megawatt (MW) solar power plant and accompanying 14-megawatt-hour (MWh) Battery Energy Storage System (BESS) represent the country's first official renewable energy source.

Does jedco need a solar plant?

The solar plant is set to contribute 19% of the total energy distributed by JEDCO, complementing existing thermal power plants. However, to ensure reliability and long-term sustainability, additional renewable energy sources, such as the government-owned Nisitu Solar Plant, will be crucial in supplementing the thermal output, said the Group.

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The Juba Solar Power Station is a proposed 20 MW (27,000 hp) solar power plant in South Sudan. The solar

farm is under development by a consortium comprising Elsewedy Electric ...

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