

South Sudan Wind Energy Storage Power Generation Project

Does South Sudan have a large-scale solar power project?

South Sudan has taken a significant step toward renewable energy with the launch of its first large-scale solar power project. The Ezra Group, a prominent business conglomerate, has successfully developed and financed a 20-megawatt (MW) solar power plant, complemented by a 14-megawatt-hour (MWh) Battery Energy Storage System (BESS).

Why should South Sudan invest in solar power & battery storage?

This project marks a significant achievement for South Sudan, reinforcing its commitment to renewable energy and environmental responsibility. By investing in solar power and battery storage technology, the country is making a decisive move toward energy independence, economic growth, and a sustainable future for its people.

Does South Sudan have a wind resource?

Further research was suggested to investigate the wind resource in South Sudan using alternative methods (taking direct measurements and comparisons of different reanalysis models) besides exploring the feasibility of the development of large-scale wind power projects in the north-north eastern parts of the country.

Does South Sudan have a solar-plus-battery storage project?

Key Figures & Findings: South Sudan is embarking on a significant renewable energy transformation, with a new solar-plus-battery storage (BESS) project to address the country's alarmingly low energy access.

How does South Sudan produce energy?

Most of the country's current energy production comes from generators that burn imported diesel, a costly method both economically and environmentally. According to the World Bank, only 8.4% of the population had reliable access to power and electricity in 2022, leaving the door wide open to produce much-needed renewable energy in South Sudan.

Why is South Sudan's solar-BESS project important?

With only 7% of the population currently connected to the grid, this project is crucial to delivering sustainable and affordable energy solutions to millions. **Insights:** South Sudan's solar-BESS project is designed to address its status as one of the least electrified countries globally.



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