



# Does South Sudan's power grid have energy storage for power generation

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 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.

What is the grid-based electricity situation in South Sudan?

At present, the grid-based electricity situation in South Sudan is characterized by routine power outages and lack of efficiency in the distribution system. In fact, in 2020, 580 GWh or nearly 100 % of electricity was produced from oil and gas, and just 1 GWh from renewable sources.

Why is South Sudan struggling to get electricity?

Despite having an abundance of energy resources, particularly fossil fuels, South Sudan struggles to give its citizens access to electricity. The long period of historical neglect of the region by the Sudanese government before independence and the recent conflict, is the primary cause of the current energy challenges.

How much power does South Sudan need?

Meanwhile, with an installed capacity of approximately 130 MW, the majority of which is used to supply power to the country's extensive oil fields, South Sudan is currently evaluating ways to meet its power demand of 300 MW by way of renewable energy prospects.

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