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South Sudan energy-saving new energy storage battery



Overview

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. Does South Sudan have a solar power project?

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

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.

Can solar power solve energy poverty in South Sudan?

Because South Sudan is still in the beginning stages of their infrastructural development, there is a rare opportunity to move forward and address the issue of energy poverty by building sustainable models of electrification, like solar power, without having to dismantle an already existing energy foundation.

Can South Sudan electrify?

South Sudan is at a crossroads in terms of its ability to electrify the nation. Looking forward, the path toward clean, renewable energy is both cost-effective and environmentally conscious, resulting in increased energy security, sustainability and community resilience.

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 struggling to provide electricity to its citizens?

According to a 2024 sciencedirect.com report, South Sudan struggles to provide its citizens access to electricity despite having abundant energy resources, particularly fossil fuels.

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