

South Sudan off-grid solar energy storage power station





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.

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.

What is South Sudan's solar-Bess project?

Insights: South Sudan's solar-BESS project is designed to address its status as one of the least electrified countries globally. The initiative is expected to significantly expand the grid's reach while reducing reliance on expensive and polluting diesel power, setting a foundation for long-term economic and social benefits.



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Jan 27, 2025 · A public-private partnership in South Sudan has launched the country's first major solar power plant and Battery Energy Storage ...

[South Sudan Launches First Solar Power Plant with BESS](#)

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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 ...

[South Sudan Energy Storage Power Station Project](#)

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SustainSolar: first of its kind off-grid system installed in South Sudan

Mar 23, 2020 · SustainSolar delivered their off-grid system in a 20-foot container equipped with SMA solar and battery inverters and BYD batteries. This is the first solar-battery-hybrid power ...



[Solar Project Brings Power to South Sudan](#)

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[South Sudan off-grid lithium battery energy storage 35kw ...](#)

Aptech Africa recently successfully designed, built and installed the first off-grid solar battery hybrid power system in South Sudan. This USAID-funded project, developed by AECOM ...





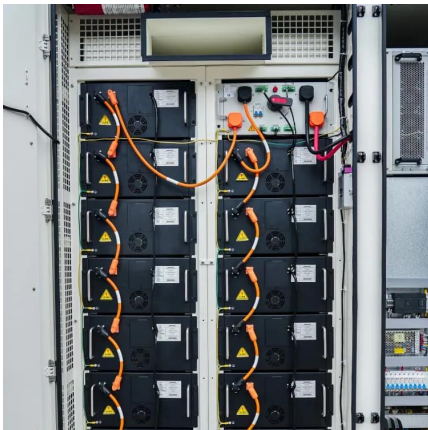
[Powering a Solar Factory Off-Grid in South Sudan: A Guide](#)

Oct 11, 2025 · A dedicated, off-grid solar-plus-storage system is not only technically feasible but also a financially superior alternative to reliance on unstable grids or costly diesel generation. ...



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[Which energy storage battery is best in South Sudan](#)

Offices in Juba, South Sudan have had a 50.144kWp solar installation with a 218kwh battery energy storage system commissioned recently. The roof-mounted system works alongside the ...



[South Sudan: First major solar energy, BESS plant launched](#)

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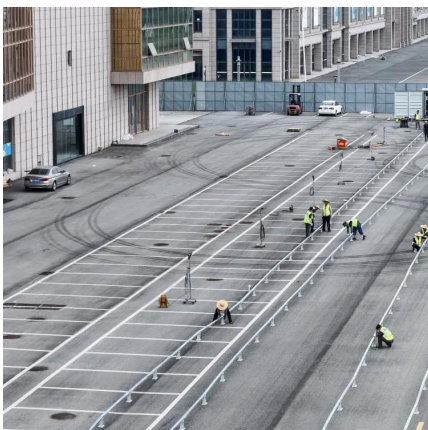


South Sudan

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