

# **Sudan 2025 Energy Storage Power Station**





## Overview

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The 20 MW solar PV plant, located in Juba, the capital city, will have a 14 MWh battery energy storage system & will connect 16,000 households in the world's least electrified country. This project marks South Sudan's first public-private partnership (PPP) in the renewable energy sector.



## Sudan 2025 Energy Storage Power Station

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### [South Sudan launches 20MW solar energy plant](#)

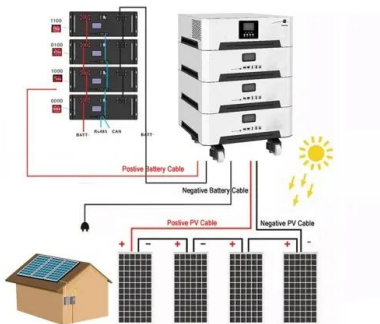
South Sudan has inaugurated a 20MW solar energy plant. Developed and funded internally by Ezra Construction and Development Group Ltd., a subsidiary of the Ezra Group, ...

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

Spearheaded by the Ministry of Energy and Dams in partnership with international developers, the initiative seeks to replace costly diesel generators and provide reliable ...

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### [South Sudan launches first solar plant with battery storage](#)

The Uganda-South Sudan interconnector will run from the recently completed Karuma hydropower plant to Juba. This project has received funding from the African ...

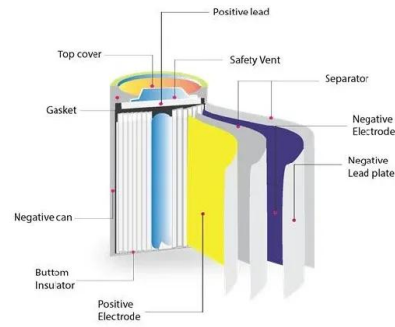
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### [South Sudan residential energy storage solutions](#)

Elsewedy Electric to bring solar, storage to South Sudan Elsewedy Electric has signed a contract with South Sudan's Ministry of Energy and Dams to construct hybrid solar and storage system ...



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### ESS



## [South sudan energy storage power plant operation](#)

The plant uses parabolic trough technology and features a molten salt, thermal energy storage system with storage capacity of up to 5.5 hours. KaXu Solar One. The first CSP plant in South ...

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### Ezra Group Launches 20 MW Solar Power Project With 14 MWh ...

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) ...

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## [Ezra Group Expands South Sudan's Solar Power](#)

Key Figures & Findings: South Sudan has officially inaugurated its first large-scale solar power plant, developed by Ezra Construction & Development Group Ltd. ...

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## Smart energy storage South Sudan

From innovative battery technologies to intelligent energy management systems, these solutions are transforming the way we store and distribute solar-generated electricity. [PDF] Smart ...

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## [Ezra powers ahead with renewable energy in South Sudan](#)

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. ...

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## [Sudan: Displaced people to get water, food and solar power](#)

Explore: Sudan: Unlocking renewable energy to expand energy access "These facilities, as well as expanded or repaired systems for water filtration, distribution and storage, ...

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

South Sudan has launched its first solar power plant with battery storage. The 20-megawatt (MW) solar plant and the 14-megawatt-hour (MWh) Battery Energy Storage System ...

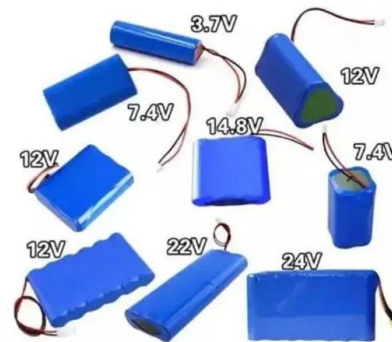
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### [Drone attack on a power plant in Sudan , Sada Elbalad](#)

The Rapid Support Forces (RSF) launched drones targeting a fuel depot and a power plant in the city of Atbara, River Nile State, Sudan, resulting in a power outage across ...

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### [Hydropower tender , C& I Energy Storage System](#)

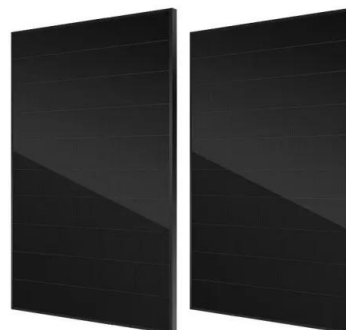
With 59% electrification rates and heavy fossil fuel dependence [1], Sudan's leap into solar-plus-storage isn't just trendy - it's survival. [2025-07-12 04:14] Sudan's new energy storage industry ...

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### **Renewable Energy in Sudan: Current Status and Future Prospects**

The energy supply in Sudan is primarily derived from crude oil, hydroelectricity, biomass, and renewable energy sources such as wind, solar, and geothermal energy.

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

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 ...

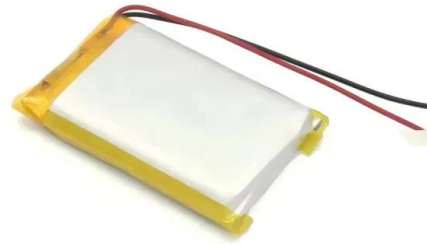
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The energy supply in Sudan is primarily derived from crude oil, hydroelectricity, biomass, and renewable energy sources such as wind, solar, and geothermal ...

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## [Solar park of 20 MW plus battery opens in South Sudan](#)

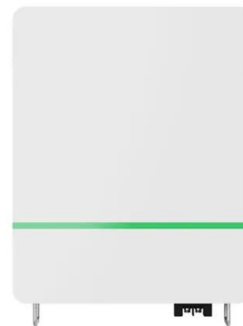
Ezra Group, a South Sudan family-run conglomerate, on Monday announced the launch of a 20-MW solar power plant with a 14-MWh battery energy storage system in South ...

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## **94% of the world's energy storage capacity , C& I Energy Storage ...**

That's pumped storage hydropower in a nutshell - the unsung hero of renewable energy systems. As of 2025, the technology accounts for 94% of global energy storage capacity, making it the ...

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