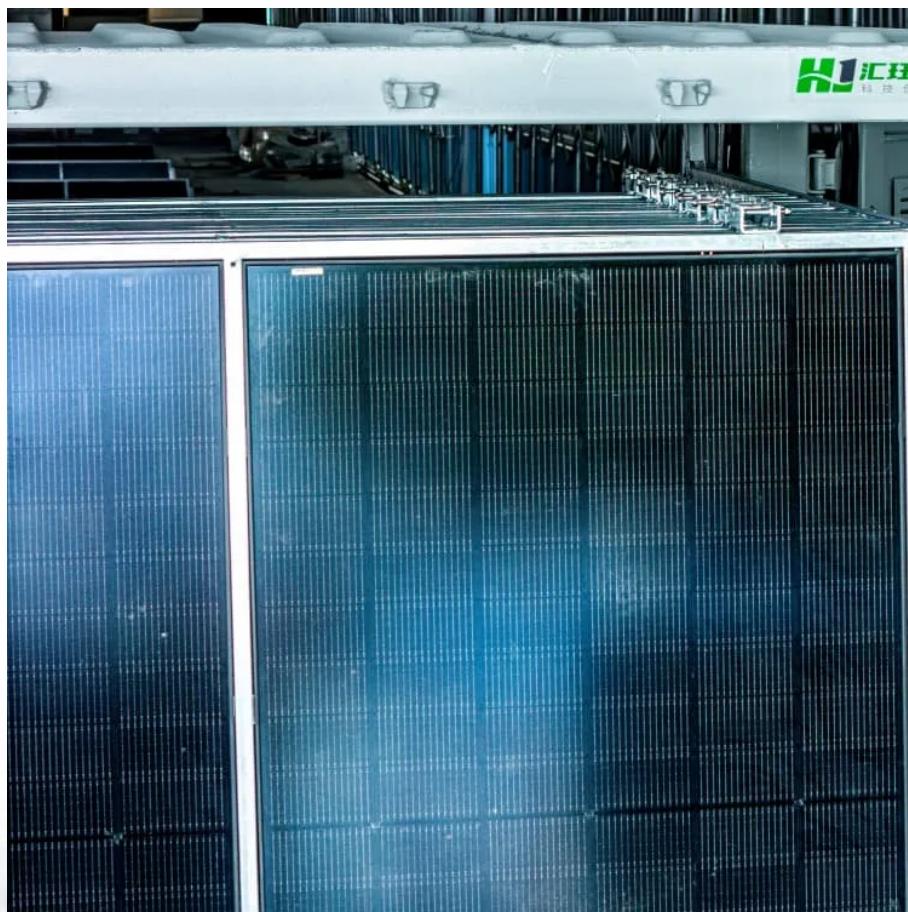




BUHLE POWER

# Environmental project uses 2MWh off-grid solar container in Juba





## Overview

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How will a 20 MW solar plant benefit Juba?

The 20 MW solar plant is set to power approximately 16,000 households in Juba. It will also enhance grid stability and reduce energy costs for consumers. The accompanying battery storage system ensures that solar-generated power remains available when needed, stabilizing the grid and improving renewable energy reliability.

What is a solar power plant in South Sudan?

Image: The recently launched 20MW solar energy plant in South Sudan.

Credit: Ezra Group 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.

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.

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.



## Environmental project uses 2MWh off-grid solar container in Juba



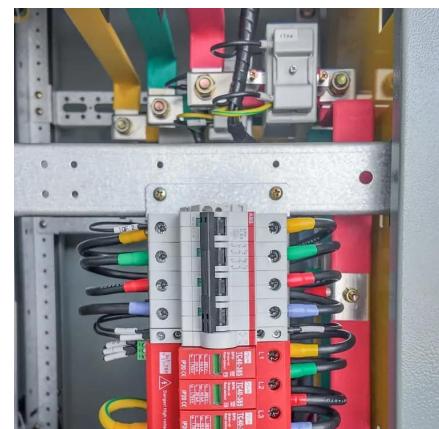
### [South Sudan shifts to clean energy as Ezra ...](#)

Jan 27, 2025 · The 20 Megawatts solar plant can generate sufficient power to supply electricity to up to 16,000 households in Juba, significantly ...

### [South Sudan's Milestone in Renewable ...](#)

Feb 12, 2025 · By integrating renewable energy into the national grid, it aligns with South Sudan's environmental sustainability goals while

...



### [UNMISS goes greener: water treatment system at base in Juba ...](#)

Feb 19, 2024 · Combatting climate change, UNMISS has built a photovoltaic solar power farm capable of producing all the energy needed to run its water treatment system at UN House in ...

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

Jan 27, 2025 · According to the company, the 20-MW solar plant can generate enough power for up to 16,000 households in Juba. It is expected to reduce energy costs and improve grid ...



### [South Sudan launches solar energy](#)

Jan 28, 2025 · The 20MW solar facility is capable of supplying power to approximately 16,000 households in Juba, offering a significant reduction in energy prices and enhancing grid stability.



### [Sustainability , US EPA](#)

Oct 20, 2025 · Sustainability is part of everyday life and essential for the future of environmental protection. This site addresses waste management, water and energy conservation, and ...



### [WHO Model Lists of Essential Medicines](#)

Sep 5, 2025 · The WHO Model Lists of Essential Medicines are updated every two years by the Expert Committee on Selection and Use of Essential Medicines. The first Essential Medicines ...



### United Nations Mission in South Sudan (UNMISS) goes ...

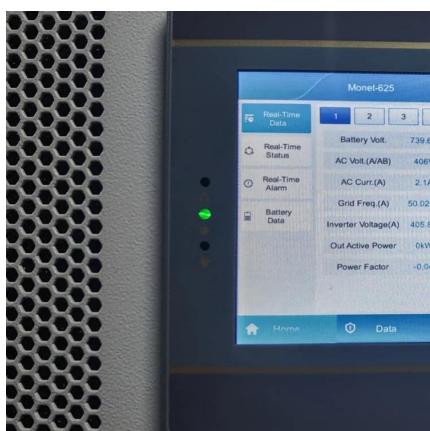
Feb 19, 2024 · Finding and using pioneering environmental solutions is a goal not just in Juba but in all UNMISS camps across the country. Its base in Wau, where a similar solar power project

...



### Environmental Health Standing Committee (enHealth)

Sep 22, 2025 · The Environmental Health Standing Committee (enHealth) advises the Australian Health Protection Committee (AHPC) on environmental health policy. It brings together ...



### **Aptech Africa Solar PV System and Solar Water Pump Installation in Juba**

Jun 10, 2024 · In an inspiring move towards sustainable development and community empowerment, Aptech Africa- Juba has successfully designed, supplied and installed a solar ...



### South Sudan: First major solar energy, BESS plant launched

Jan 27, 2025 · 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 ...



## [U.S. Environmental Protection Agency , US EPA](#)

1 day ago · Website of the U.S. Environmental Protection Agency (EPA). EPA's mission is to protect human health and the environment.



## [South Sudan shifts to clean energy as Ezra Group launches a ...](#)

Jan 27, 2025 · The 20 Megawatts 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.



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

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



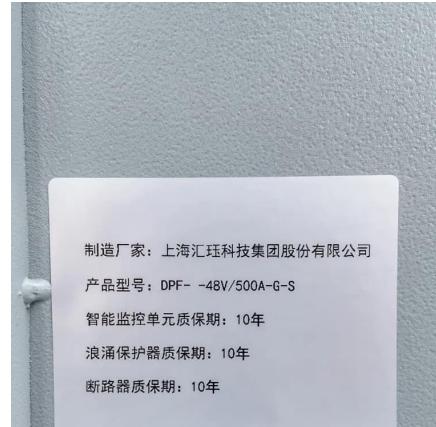
## [South Sudan's Milestone in Renewable Energy: First Major Solar Project](#)

Feb 12, 2025 · By integrating renewable energy into the national grid, it aligns with South Sudan's environmental sustainability goals while making electricity more affordable and accessible to ...



### United Nations Mission in South Sudan ...

Feb 19, 2024 · Finding and using pioneering environmental solutions is a goal not just in Juba but in all UNMISS camps across the country. Its ...



### enHealth guidance - Guidance on the use of rainwater tanks

This guidance from the Environmental Health Standing Committee (enHealth) provides information on potential threats to water quality in rainwater tanks and how to avoid them.

### A Bright Future for Renewable Energy in ...

Dec 4, 2024 · ApTech Africa, established in South Sudan in 2011, specializes in delivering off-grid solar solutions and home energy systems tailored to ...



### Solar park of 20 MW plus battery opens in ...

Jan 27, 2025 · According to the company, the 20-MW solar plant can generate enough power for up to 16,000 households in Juba. It is ...



## A Bright Future for Renewable Energy in South Sudan

Dec 4, 2024 · ApTech Africa, established in South Sudan in 2011, specializes in delivering off-grid solar solutions and home energy systems tailored to meet the needs of underserved ...



## National Health and Climate Strategy Visual screen version

Dec 6, 2023 · Acknowledgements Many individuals and organisations have given their time and expertise to the development of the National Health and Climate Strategy. The Chief Medical ...



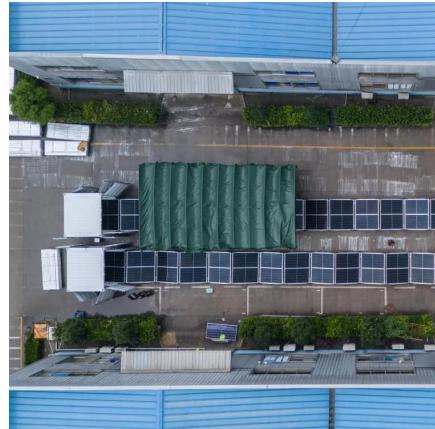
## Principles and methods for the risk assessment of chemicals ...

Dec 31, 2008 · The purpose of this monograph is 2-fold: 1) to provide descriptive guidance for JECFA and JMPR to ensure the continuation of transparent and sound expert evaluations of ...



### UNMISS goes greener: water treatment ...

Feb 19, 2024 · Combatting climate change, UNMISS has built a photovoltaic solar power farm capable of producing all the energy needed to run its ...



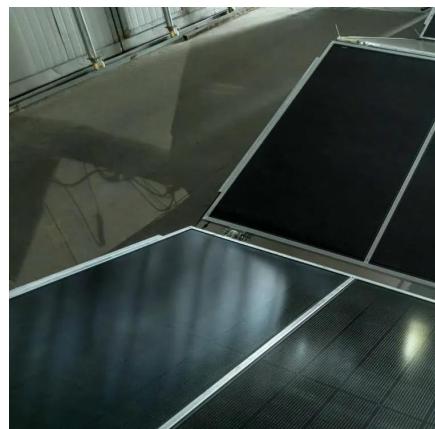
### Aptech Africa Solar PV System and Solar ...

Jun 10, 2024 · In an inspiring move towards sustainable development and community empowerment, Aptech Africa- Juba has successfully ...

### Ministry targets 3000MW solar plant to combat pollution

Jan 21, 2025 · The solar power plant, located in Gondokoro, Mangalla Payam, will be managed by Ezra Construction and Development Group Limited (ECDG). Africano noted that the project,

...



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