



MODERNIZATION SOLAR

Dakar's latest energy storage power station project





Overview

Dakar, Senegal, August 7, 2025 – Just one year after laying the foundation stone, Africa REN announces the commercial commissioning of Walo Storage, the first photovoltaic facility in West Africa combined with lithium-ion battery storage, designed for frequency regulation and to meet local energy needs in the event of grid loss. When will a battery energy storage system start in Senegal?

Construction of the battery energy storage system is expected to commence in early 2024 at the Tobène substation in Thies and is expected to become operational in 2025. Once complete, it will be one of the largest of its kind in West Africa, and will help Senegal to avoid approximately 37,000 tonnes of carbon dioxide emissions each year.

Why is battery storage important in Senegal?

Battery storage offers incredible opportunities for Senegal to reap the benefits of renewables, while ensuring people get a secure, reliable supply of energy. We are excited to begin a promising new chapter in Senegal and further strengthen our work in the renewable energy sector.”.

Can LNG be used for power generation in Senegal?

The use of LNG for power generation marks a significant step in diversifying Senegal’s energy mix, following the country’s first offshore oil production at Woodside’s Sangomar development in 2024 and LNG production from the BP-led Greater Tortue Ahmeyim Phase 1 project in February 2025, developed jointly with Mauritania.

Why is the ship-to-ship LNG transfer important for Senegal’s energy sector?

Ayman Bouderbela stated: “The successful completion of the ship-to-ship LNG transfer and subsequent power generation is a groundbreaking achievement for Senegal’s energy sector.” The project enhances energy reliability and supports Senegal’s growing electricity needs while prioritizing sustainable energy solutions.



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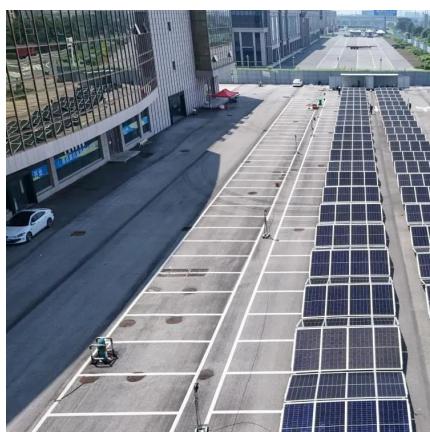
[Dakar energy storage hydropower station](#)

Jun 9, 2024 · However, the intermittent nature of renewable power, calls for substantial energy storage. Pumped storage hydropower is the most dependable and widely used option for large ...



[Four Years in the Making: Africa's First LNG-To-Power Project ...](#)

Jul 16, 2025 · On April 29, 2025, a floating power plant operated by Türkiye's Karpowership began generating electricity using liquefied natural gas (LNG) off the coast of Dakar, Senegal. In ...



[Dakar Energy Storage Power Station Branch Powering Africa ...](#)

Why Energy Storage Matters for West Africa As solar and wind projects multiply across Senegal, the Dakar Energy Storage Power Station Branch has emerged as a critical player in stabilizing ...

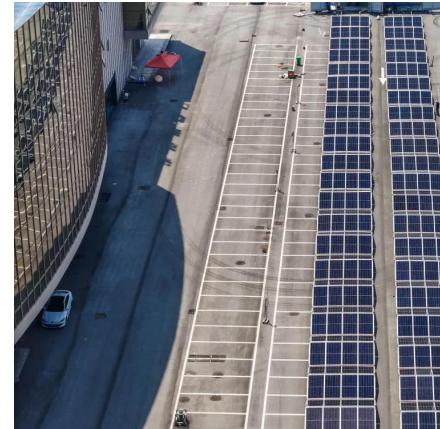
[Walo Storage project in Senegal commissioned](#)

Aug 12, 2025 · Independent power producer Africa REN has officially commissioned the Walo Storage project in Bokhol, Dagana department, northern Senegal. This marks the first solar PV ...



[Senelec, Karpowership Launch Senegal's First ...](#)

Jul 18, 2025 · Senegal's national utility Senelec and Turkish energy firm Karpowership have officially launched the country's first LNG-to-power ...



[Dakar's latest energy storage power station project](#)

Dakar's latest energy storage power station project. This project is illustrative of Elevate's battery expertise, significant development pipeline, and ability to help enable strategic battery storage ...



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Work on a solar energy and battery storage project in Senegal, touted to be the biggest in West Africa once it goes live, is set to begin next month after an EPC (Engineering, Procurement ...



Senelec, Karpowership Launch Senegal's First LNG-to-Power Project

Jul 18, 2025 · Senegal's national utility Senelec and Turkish energy firm Karpowership have officially launched the country's first LNG-to-power project, now generating electricity offshore ...



Dakar photovoltaic energy storage system

The project will provide clean, reliable energy for 235,000 people in Senegal. Largest photovoltaic with added battery energy storage systems (BESS) project in West Africa, accelerating the ...

DAKAR'S LATEST ENERGY STORAGE POWER STATION PROJECT

Bishkek Energy Storage Power Station Construction Project In September 2024, Turkish company Orta Asya Investment Holding and Mayor of Bishkek Aibek Junushaliev signed an ...



With the Launch of Walo Storage, Energy Innovation ...

Dakar, Senegal, August 7, 2025 - Just one year after laying the foundation stone, Africa REN announces the commercial commissioning of Walo Storage, the first photovoltaic facility in ...



With the Launch of Walo Storage, a New Era Begins for Senegal's Energy

Dakar, Senegal, August 7, 2025 - Just one year after laying the foundation stone, Africa REN announces the commercial commissioning of Walo Storage, the first photovoltaic facility in ...



[Dakar's latest energy storage power station project](#)

World's largest sodium-ion battery goes into operation. The project represents the first phase of the Datang Hubei Sodium Ion New Energy Storage Power Station, which consists of 42 ...



[Infinity Power seals 20-year agreement with Senelec to ...](#)

Nov 4, 2023 · Infinity Power and Senelec have signed a 20-year Capacity Change Agreement (CCA) to provide 160MWh through a battery energy storage system (BESS). The project will ...



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