

# Dakar grid-side energy storage



## Overview

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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.”.

How will Senelec save the grid?

The BESS will support Senelec in reducing its dependence on reserve capacity derived from thermal plants, with Senelec estimating that the BESS will save the grid an estimated \$165 million over its operating life.

When will a battery energy storage system become operational?

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. The BESS will also provide ancillary services such as frequency regulation, reactive power support, and energy charge and discharge.

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The 60 MWp PV plant will be paired with a 70 MWh battery storage system, enabling three hours of grid support during peak demand. The project aims to enhance grid ...

Senegal has significant, non-dispatchable renewable energy sources connected to its grid, causing difficulties to balance the grid appropriately. For example, the installed capacity of ...

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grid, causing difficulties to balance the grid appropriately. ...

Walo Storage positions Senegal at the forefront of integrating variable renewable energy while enhancing grid resilience. Its operational model offers a replicable blueprint for ...

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

The commissioning follows recent renewable energy announcements in Senegal, including Axian Energy's planned 60 MW/72 MWh solar-plus-storage project in the south and ...

SunContainer Innovations - Discover how Dakar is embracing renewable energy solutions through off-grid storage systems. This article explores the current number of power stations, market ...

The system will enable Senelec to stabilise the nation's electricity grid and pave the way for further renewable energy growth in Senegal. The project will be operated by Infinity ...

Senegal has begun commercial operations at a new solar energy facility that combines photovoltaic power with lithium-ion battery storage, the first of its kind in West Africa, ...

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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 ...

As the first energy storage project in West Africa dedicated to frequency regulation, Walo Storage offers an innovative response to Senegal's grid constraints. In addition to

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## Contact Us

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For catalog requests, pricing, or partnerships, please contact:

### **NKOSITHANDILEB SOLAR**

Phone: +27-11-934-5771

Email: [info@nkosithandileb.co.za](mailto:info@nkosithandileb.co.za)

Website: <https://www.nkosithandileb.co.za>

*Scan QR code to visit our website:*

