

# **Senegal distributed energy storage lithium battery plant**





## 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 the energy system work in Senegal?

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the northern part of Senegal during power outages.

How much energy has Senegal added in 6 years?

Within 6 years, Senegal has added more than 345MW of clean power, accounting for nearly a quarter of its energy mix. This is a concrete example of the impact of policy implementation prioritising progress towards net-zero and accelerating energy access to above 70%, the 12th highest in Africa.

How will eaif support Senegal's Clean Power Project?

EAIF acted as co-lender alongside the Dutch development bank FMO, to support the development of the €42m landmark project. A Euro equivalent US\$1.5m capital grant extended by PIDG Technical Assistance will ensure the project is designed to maximise supply of clean power to Senegal’s grid, whilst remaining economically viable.



Where is a Bess project being built in Senegal?

The BESS is to be built at the Tobène substation in Thies, Senegal. It will be operated by Infinity Power's 158.7 MW wind farm in Senegal, Parc Eolien Taiba N'Diaye (PETN)



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### [List of energy storage power plants](#)

The 150 MW Andasol solar power station is a commercial parabolic trough solar thermal power plant, located in Spain. The Andasol plant uses tanks of molten ...

### [Senegal lithium battery storage unit](#)

The lithium-ion battery energy storage unit is the first battery-storage project in West Africa dedicated to frequency regulation and is designed to stabilize Senegal's grid and reduce ...



### **With the Launch of Walo Storage, a New Era Begins for ...**

Commissioned on July 14, 2025, in Bokhol, Walo Storage is the first solar power facility in West Africa to be coupled with battery energy storage dedicated to frequency ...

### **Senegal Adds Battery-Storage Capacity to Grid to Avoid Blackouts**

Senegal is adding battery storage to its national power grid as part of efforts to stabilize



electricity supply and avoid blackouts.



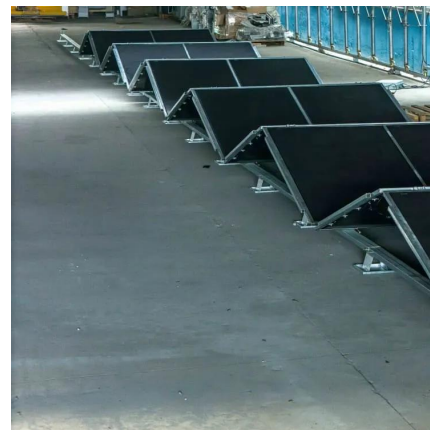
## Lithium Battery Recycling Plant Setup in Senegal , Recycling ...

Lithium Battery Recycling Plant Setup As the need for eco-friendly energy sources grows, setting up a Lithium Battery Recycling Plant in Senegal has become an important step toward ...



## Walo battery to support Senegal's state grid

Construction has started on the Walo storage and PV project in Senegal. Africa REN has commissioned the large-scale solar and battery storage project to address Senegal's ...



## Construction Starts at Walo Storage Project in Senegal

The lithium-ion battery energy storage unit is the first battery-storage project in West Africa dedicated to frequency regulation and is designed to stabilize Senegal's grid and ...







## Senegal: Solar + storage project leads the way in West Africa

Described as a first for West Africa, a solar PV installation with battery storage project dedicated to frequency regulation has been commissioned in Senegal.



## EAIF COMMITS EUR11.5 MILLION TO WEST AFRICA'S FIRST ...

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the northern part of Senegal during power ...

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

Commissioned on July 14, 2025, in Bokhol, Walo Storage is the first solar power facility in West Africa to be coupled with battery energy storage dedicated to frequency ...



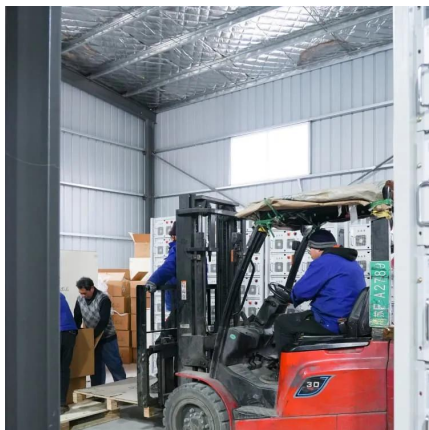
## Batteries for the first Senegal ancillary services project

The Walo storage project will consist of a 10 MW / 20 MWh BESS supplied by a 16 MWp solar PV plant. Located in Bokhol, Senegal, the lithium-ion battery project will be ...



## Construction Starts at Walo Storage Project in Senegal

The lithium-ion battery energy storage unit is the first battery-storage project in West Africa dedicated to frequency regulation and is ...



## 40 MW SENEGAL BATTERY STORAGE FOR GRID RESILIENCY PROJECT ENERGY

How much does a lithium-ion battery storage system cost? Recent industry analysis reveals that lithium-ion battery storage systems now average EUR300-400 per kilowatt-hour installed, with ...

## EAIF COMMITS EUR11.5 MILLION TO WEST ...

The system will utilise reserve energy when there are deficits, bring power and grid assets online after failures, and supply electricity to the cities in the ...





## **Infinity Power seals 20-year agreement with Senelec to supply ...**

...

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. ...

## **Senegal Unveils West Africa's First Solar-Battery Facility To**

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, ...



## **A New Era for Senegal's Energy Landscape - BulBat**

By combining photovoltaic generation with lithium-ion batteries, the facility delivers 13 MW of power for frequency support and emergency supply. This technology not only ...



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