

Senegal lithium battery energy storage project



✓ LIQUID/AIR COOLING

✓ ON GRID/HYBRID

✓ PROTECTION IP54/IP55

✓ BATTERY /6000 CYCLES





Overview

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.”.

Could this be the largest Bess in Senegal?

Although not claimed, the project could be the largest BESS in Senegal when it comes online. There have been various reports about a 160-175MWh BESS co-located with a wind farm, for which a feasibility study was announced in 2021, but no firm project announcement has come since.

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)



Senegal lithium battery energy storage project



[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 ...

[Product Information](#)

[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.

[Product Information](#)



[Africa REN is proud to announce the commencement of ...](#)

Africa REN is proud to announce the commencement of construction of Walo Storage, an innovative lithium battery energy storage unit. Located in Bokhol, Senegal, Walo ...

[Product Information](#)

[Biggest projects in the energy storage industry in 2024](#)

A 700MWh vanadium flow battery that came online in China this year. Image: Rongke Power via LinkedIn. Following similar pieces the last two years, we look at the biggest ...



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Walo Storage

The project will increase the current spinning reserve by 40% and will provide additional services such as frequency control, island functioning and Black-Start capability. Battery storage is ...

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[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 ...

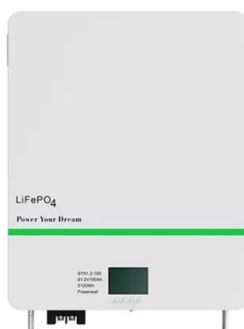
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[Senegal: West Africa's 'first frequency regulation' ...](#)

The developer claimed it is the first battery storage project in West Africa dedicated to frequency regulation, and will provide stability to the local ...

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Senegal LHD lithium battery

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 ...

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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 ...

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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. ...

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Google, Salt River Project to research non-lithium long-duration energy

1 day ago· The utility currently has nearly 1,300 MW of energy storage currently supporting its grid, which includes 1,100 MW of battery storage-- spanning eight facilities-- and 200 MW of ...

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[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 ...

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Construction Begins On Senegal BESS Project , ConstructAfrica

Africa REN has started construction on its EUR40 million (US\$43.4 million) Walo lithium battery energy storage system (BESS) project in Senegal's northern commune of ...

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[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 ...

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Walo storage project facility

The EUR42 million Walo storage project facility located in Bokhol, Senegal will consist of a 10MW/20MWh BESS supplied by a 16MWp solar PV plant. The lithium-ion battery project ...

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[Senegal lithium-ion battery technology](#)

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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, ...

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[Batteries for the first Senegal ancillary services project](#)

Located in Bokhol, Senegal, the lithium-ion battery project will be incorporated into the solar PV plant. Africa REN will construct and operate the ...

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[CONSTRUCTION STARTS AT WALO STORAGE PROJECT IN SENEGAL](#)

Senegal lithium battery storage system manufacturer The first-of-its-kind project will deliver a range of positive impacts, including greater flexibility in energy management and improved ...

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Senegal: West Africa's 'first frequency regulation' BESS financed

The developer claimed it is the first battery storage project in West Africa dedicated to frequency regulation, and will provide stability to the local grid in the face of limited spinning ...

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[Senegal switches on inaugural solar-plus-storage facility](#)

Independent power producer Africa REN has commissioned a solar-plus-storage project in Senegal. The Walo Storage project is the first solar installation in West Africa to ...

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