

## SolarTech Power Solutions

# Senegal s new energy power station energy storage policy



## Overview

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Cairo, Egypt and Abu Dhabi, UAE - 13 November 2023: Infinity Power, a joint venture between Egypt's Infinity and UAE's Masdar, announced today the signing of a 20-year Capacity Charge Agreement with Senelec, Senegal's national electricity company to supply 40MW through a battery energy storage.

The project integrates the LNGT Africa floating storage and regasification unit (FSRU) with the 335 MW KPS 10 powership. The FSRU supports Senegal's broader energy expansion following first production at the Greater Tortue Ahmeyim (GTA) conventional gas development, which was achieved in December.

The energy storage pact will begin construction in early 2024 at the Tobène substation in Thies and become operational in 2025. Once completed, the system will be one of the largest in West Africa and help Senegal avoid approximately 37,000 tonnes of carbon dioxide emissions each year. Senegal's.

The Walo Storage facility, commissioned on July 14th, represents West Africa's first solar power plant integrated with battery storage specifically for grid frequency regulation. A key feature of the Walo Storage facility is its ability to provide critical stability and backup power during outages.

The national electric utility of Senegal, Senelec, has signed a 20-year capacity change agreement (CCA) with developer Infinity Power for a 40MW/160MWh

battery energy storage system (BESS) project. The four-hour BESS project, which will have a power rating of 40MW and an energy storage capacity of.

Following the landmark agreement with Saudi Electricity Company (SEC) in early 2025 for the world's largest 12.5GWh grid-side energy storage project, BYD Energy Storage has launched its delivery campaign with unprecedented momentum. Global capability was around 8 500 GWh in 2020, accounting for. 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.

How is energy policy made in Senegal?

Senegal has a strong institutional framework of energy policy decision making, led by the MPE, in co-operation with other ministries, and implemented through a range of national agencies and companies which are under the MPE's technical supervision.

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.”.

Does Senegal have a policy framework for Decentralised Energy?

Senegal does not have a policy framework in place for decentralised energy (such as small-scale wind and solar rooftop development for individual households or commercial installations). To open this market segment, feed-in tariffs will be needed, alongside incentives to purchase the battery installation.

Does Senegal need a power sector transition strategy?

Senegal's power sector transition needs a clear strategy, which includes the full implementation of the power sector reforms, the expansion of the electricity network, the creation of renewable energy zones and auctions, as well as increased balancing power at the domestic and regional levels within

the West African Power Pool.

What is planned for Senegalese energy?

Investments are planned as part of the implementation of the priority “gas-to-power” strategy, as well as the extension of the transmission network (looping of the Senegalese high-voltage network) and distribution network (universal access to electricity by 2025).

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