

## ContainerPower Energy Solutions

# Senegal wind power energy storage configuration



## Overview

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The storage batteries, with a combined capacity of 175 MWh, will be housed in 45 40-foot (21m) shipping containers. According to Infinity Power, installation of the system will begin in 2024 at the Tobène substation, with commissioning scheduled for 2025. 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 much energy does Senegal's new wind farm provide?

Commissioned in December 2019, the initial phase of the project is already pumping 55 megawatts (MW) of renewable energy into the national grid, lighting up homes and businesses across the country. When fully completed by 2021, the wind farm will provide 158 MW of electricity to Senegal's grid, or 15 percent of the country's generation capacity.

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."

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).

What is considered a good wind resource?

ion of wind resources. Areas in the third class or above are considered to be a good wind resource. Biomass: Net primary production (NPP) is the amount of carbon fixed by plants and accumulate as biomass each year. It is a basic measure of

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