

Senegal Valley Power Energy Storage System





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.

Will a 40 MW battery energy storage system improve Senegal's national grid?

The agreement focuses on implementing a 40 MW battery energy storage system to improve the stability of Senegal's national grid. The system will be one of West Africa's largest upon completion in 2025 – with construction set to begin in early-2024 at the Tobène substation in Thiès – and will be integrated with the Taiba N'Diaye wind farm.

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.

Does Senegal have a capacity change agreement with Infinity Power?

Senegal's national electricity company Senelec has entered into a 20-year capacity change agreement with Infinity Power, a joint venture between Egypt's Infinity and the UAE's Masdar, to establish a battery energy storage system.



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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[Infinity Power signs PPA in Senegal for 40MW battery storage system](#)

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 ...

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