

SolarTech Power Solutions

Senegal energy storage power station operating time



Overview

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. 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.

Which energy company is building a lithium ion battery storage system in Senegal?

Renewable energy company Africa REN has started construction of the Walo Storage project – a lithium-ion battery energy storage system situated in northern Senegal.

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.”.

Is Nigeria a pioneer of energy storage deployment in West Africa?

The country is already emerging as one of the early pioneers of energy storage deployment in the West African region. Last month, the West African Development Bank (BOAD) approved \$24 million loan for a 15MW/ 45MWh BESS at the Niakhar Solar Power project in the city of Niakhar.

Will Senelec's battery system save the grid?

The battery system is expected to provide ancillary services in power

transmission and reduce the local grid's dependence on thermal power plants. According to news reports, Senelec is said to have estimated that the BESS will save the grid US\$165 million over its operating lifetime.

How will West Africa benefit from a solar power plant?

Furthermore, the project will include the construction of small solar photovoltaic plants, injecting 16 MW of solar energy into the grid while mitigating approximately 26,000 tons of CO₂ emissions per year. The \$34.8 million battery-storage project serves as the first of its kind in West Africa.

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