

Senegal s new energy power generation and energy storage



Overview

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, as the country of over 18 million people moves to strengthen its electricity grid. The West African nation, where over 60% of the population have access to electricity—one of the highest in the sub region—aims to achieve universal energy access by 2030. Moreover, a quarter of Senegal's electricity supply now. Senegal is rapidly advancing its energy transition through large-scale infrastructure, regional gas integration and ambitious electrification goals. 23,24 Most of this power—around 71 percent of capacity and 79 percent of generation—came from thermal plants. 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 nation's commitment to sustainable development and renewable energy sources has led to the establishment of a pioneering hybrid energy facility in northern Senegal, marking a significant milestone in the country's quest for energy security and decarbonization. The Walo Storage facility.

Senegal's new energy power generation and energy storage



With the Launch of Walo Storage, a New Era Begins for Senegal's ...

With the launch of Walo Storage, Senegal's energy sector enters a new era of sustainable solar power and reliability.

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Senegal's gas-to-power and renewables targets

Senegal has large gas-to-power ambitions and less clarity on long-term renewables plans

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Infinity Power seals 20-year agreement with Senelec to supply utility

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 ...

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Senegal Battery Energy Storage

Management System: Powering a

In this article, we'll explore how smart energy storage solutions are transforming West Africa's renewable energy. Imagine a world where renewable energy flows seamlessly, even when the sun sets or the ...

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5 Projects Powering Senegal's Energy Transition

The project aims to enhance grid reliability, expand clean energy access and support Senegal's sustainable energy transition. Construction on the project began in May 2025, with ...

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Press Release With the Launch of Walo Storage, a New Era ...

designed for frequency regulation and to meet local energy needs in the event of grid loss. Delivered on time, the Bokhol site is already connected to Senelec's grid

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A New Era for Senegal's Energy Landscape - BulBat

The nation's commitment to sustainable development and renewable energy sources has led to the establishment of a pioneering hybrid energy facility in

northern Senegal, marking a ...

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How renewables can advance energy access and economic growth in ...

Senegal's progress shows that African countries can simultaneously expand energy access and successfully pursue low-carbon development. With the right mix of political commitment, ...

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60MW Battery Energy Storage System in Progress in Senegal

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Senegal Unveils West Africa's First Solar-Battery Facility To

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lithium-ion battery storage, the first of its kind in West Africa, as the country ...

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