



West African energy storage power station connected to the grid

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The Walo Storage project in Bokhol is already connected to the National Electricity Company of Senegal's (Senelec) grid to help regulate frequency and secure electricity supply to the Senegalese.

The West African Development Bank (BOAD) has approved a US\$24 million loan for a solar and storage project in Senegal with a 15MW/45MWh battery energy storage system (BESS).

These projects collectively enhance electricity access, address current energy challenges and future growth prospects, and promote the regional electricity market in West Africa.

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In the context of the West African region moving towards a resilient and integrated power grid, West African Power Pool (WAPP) is pioneering the deployment of Battery Energy Storage Systems (BESS).

Gouina Hydroelectric Plant: Located in Mali and developed through the Senegal River Basin Development Organization (OMVS), this 140 MW plant was inaugurated in 2022.

Africa REN has commissioned a 16 MW solar plant with 10 MW/20 MWh of battery storage in northern Senegal, billed as the first grid-connected solar-plus-storage facility in West Africa.

Senegal and sustainable infrastructure developer Africa REN have commissioned the Walo Storage facility in Bokhol, marking the first grid-connected solar-plus-battery installation of its kind in West Africa. [pdf]



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Their Côte d'Ivoire project uses a rare "battery + grid upgrade" combo, addressing both storage and transmission losses [1]. It's like fixing a leaky pipe while installing a new water tank.

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