

# Gambia s first hybrid energy storage system



## Overview

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This project component consists in the construction of a new 23 MWp solar park tied with 8MWh battery storage and aims to revolutionize power generation in the Gambia by serving as a direct complement to current generation sources while decreasing the dependence on import. HFO is the only source of generation. Old power plants in Kotu and Brikama, 30 MW of new HFO groups and 30 MW of rental generation (Karpower boat) system (WB/EIB/EU). Why Energy Storage in The Gambia?

Project structure would be an EPC contract with 3 years O&M with capacity training for the. This marks the first time in the Gambia's history where a utility scale solar plant of 23 Megawatts Solar PV capacity and 8-Megawatt hours battery storage is being commissioned. This solar plant allows NAWEC to finally shift away from expensive heavy fuel oil-based generation which is costly and. State-owned EPC firm China Power Construction Group (Power China) recently concluded a 16GWh BESS supply tender, which resulted in extremely low prices amidst a squeezing of market share and increased buying power from state-owned companies, an S& P analyst told Energy-Storage. Joint Press. The Gambia entered a new era of energy development in April 2023 with the inauguration of its first large-scale solar energy facility in Jambur. Built by Chinese manufacturer Tebian Electric Apparatus, the 23 MW solar plant - equipped with an 8 MW electricity storage system - serves to reduce the. Gambia's energy storage market is projected to grow at a 14.

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Storage was part of ongoing WB/EIB/EU project (2018-Ongoing) Project was designed to modernize the power system in the country and to decrease the unbearable cost of generation and system reliability



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The hybrid power plant will integrate a complete energy solution combining renewable generation, storage, and backup generators. The solar system will have a capacity of 1.5 MWc, paired with a 1.5 ...



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12V 10AH



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On completion, the plant would not only be Gambia's first utility-scale IPP but is also planned to be the foundation for a major West African Power Pool-focused second phase.

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