



Nigeria s largest energy storage project





Overview

Kaduna Electric has signed an agreement to develop a 100 MW solar project with battery storage to strengthen electricity supply across Kaduna, Sokoto, Zamfara and Kebbi states in northern Nigeria. However, the International Renewable Energy Agency's (IRENA) “ Renewable Energy Statistics 2024” report indicates Nigeria had only 35 MW of installed solar PV capacity by the end of 2023, compared to South Africa's 3,500 MW. High upfront costs and grid limitations hinder widespread adoption. Nigeria's energy transition in 2025 is no longer being defined by incremental megawatts added to the national grid. Instead, it is being driven by a quieter but more consequential shift: the rise of decentralised, storage-backed power systems engineered for reliability, autonomy and economic. ESS Tech, a manufacturer of long-duration energy storage systems (LDES) for commercial and utility-scale applications, has partnered with Sapele Power, a Nigerian integrated energy company specializing in power generation, to provide an initial 1 MW/8 MWh of long-duration energy storage. This includes hospitals, universities and industrial and commercial clients.



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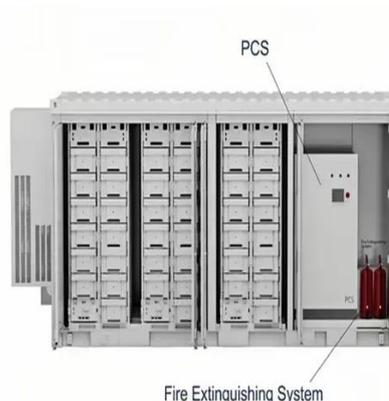


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Nigeria's energy transition in 2025 is no longer being defined by incremental megawatts added to the national grid. Instead, it is being driven by a quieter but more consequential shift: the ...

[Why Battery Storage Is Key to Nigeria's Energy Transition -- EM ...](#)

Battery storage is the cornerstone of Nigeria's clean energy future -- powering reliability, resilience, and industrial growth.



[ESS Tech Providing 8 MWh of Long-Duration Energy Storage to ...](#)

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FLEXIBLE SETTING OF MULTIPLE WORKING MODES



[ESS Tech partners with Nigeria's Sapele Power on 8MWh](#)

We are pleased to partner with ESS to deploy the first iron flow battery system in Africa. Long-duration energy storage will play a critical role in a resilient, reliable energy system and this is ...

[Nigeria's Mini-Grids Trigger A \\$7.8 Billion Clean Energy](#)

Nigeria's \$3.2 million energy project could serve as a harbinger for other emerging markets. It focuses on solar mini-grids, which distribution companies long dismissed as too risky to



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Below is a list of Eauxwell's five largest solar PV projects and largest battery energy storage systems (BESS) in Nigeria, followed by a comparison with other major solar EPC players, ...



[Project Case: Nigeria Renewable Energy](#)



Storage System

Project Overview: The Nigeria Renewable Energy Storage System is a distributed lithium battery energy storage solution designed to provide reliable and sustainable power for self ...



Nigerian utility signs 100 MW solar-plus-storage agreement

Kaduna Electric has signed an agreement to develop a 100 MW solar project with battery storage to strengthen electricity supply across Kaduna, Sokoto, Zamfara and Kebbi states in northern

Nigeria: Largest battery storage system export to Africa from US

A Nigerian energy company is to be the recipient of the largest US government-financed battery storage system exported to Africa. Sapele Power Plc, which specialises in power generation, ...





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