

Sierra Leone 100MW energy storage project





Overview

Freetown, Sierra Leone | 10 April 2025: The Republic of Sierra Leone today announced the signing of a Memorandum of Understanding with Hecate Global Renewables (HGR), and Africa50 to develop 100 MW of Renewable Energy projects including Battery Energy Storage Systems (“BESS”). How can Sierra Leone improve its low electricity access rate?

Sierra Leone is taking significant steps to improve its low electricity access rate by committing to various renewable energy projects. These initiatives, driven by the country’s Presidential Initiative on Climate Change, Renewable Energy & Food Security (PI-CREF), include a major hydropower and solar PV project.

What is in Sierra Leone's energy roadmap?

A key part of the roadmap is to incorporate Sierra Leone’s abundant renewable energy resources, ensuring a secure energy supply to rural communities and boosting the national economy. One of the most significant projects in this roadmap is the planned expansion of the Bumbuna Hydroelectric Dam.

What is the SOGREA initiative & how does it help Sierra Leone?

The SOGREA initiative directly supports Sierra Leone's Energy Transition and Green Growth Plan (ETGGP), launched in November 2024 under the Presidential Initiative on Climate Change, Renewable Energy, and Food Security (PICREF).

Can Sierra Leone double its power output to 12MW?

This station, which currently has a generation capacity of 6MW, has the potential to double its output to 12MW. In addition to the Goma Hydropower Station update, Sierra Leone signed an MoU with the European Union earlier this month to deploy 57 solar mini-grids in rural communities that currently lack electricity.



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Hydropower and Solar Energy Projects for Sierra Leone

Jul 25, 2024 · Sierra Leone boosts renewable energy with new hydropower and solar projects, aiming to improve electricity access and support sustainable development.

New energy storage project in Sierra Leone

Sierra Leone launches the World Bank-backed RESPITE solar project, bringing clean energy to 28 underserved communities and boosting economic growth.

News Centre , Sierra Leone , African Energy

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Energy Modelling in Sierra Leone: Data-in-Brief

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Salt River Project, NextEra Resources bring ...

Dec 20, 2023 · Ribbon-cutting at the 100MW/400MWh BESS project in Coolidge, Arizona. Image: NextEra Energy Resources. Arizona utility Salt ...

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Power plant profile: Mabandare Solar PV Power Project, Sierra Leone

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Sierra Leone Photovoltaic Energy Storage Exhibition

[CEEC signs photovoltaic project in Sierra Leone] On May 15, 2023, CEEC and Sierra Power Energy signed an EPC cooperation agreement for the 100MW photovoltaic power plant project

250605 Sierra Leone launches solar mini-grid energy ...

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Hydropower and solar energy projects for ...

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List of Operational (Completed) Renewable Energy Projects in Sierra

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Accelerating Access to Renewable Energy in ...

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