

ContainerPower Energy Solutions

Côte d'Ivoire Southern Power Grid Energy Storage Company



Overview

Will a lithium-ion battery energy storage system be installed in Côte d'Ivoire?

A lithium-ion battery energy storage system (BESS) made by Saft will be installed at a 37.5MWp solar PV power plant in Côte d'Ivoire (Ivory Coast). It is the African country's first-ever large-scale solar project and the batteries will be used to smooth and integrate the variable output of the PV modules for export to the local electricity grid.

Does Côte d'Ivoire have a power grid?

The grid is expected to cover 99% of the population by 2035, and 42% of the energy produced will come from renewable sources. That is reassuring news for Côte d'Ivoire. In the wake of the post-electoral crisis of 2011, only 34% of the population had access to electricity. Today, close to 94% of Ivorians are connected to the power grid.

How much solar energy is produced in Côte d'Ivoire?

Most recently, under the World Bank Group's Scaling Solar Initiative, IFC is supporting the development of two public-private partnerships to generate 60 MW of solar energy. Today, private operators in Côte d'Ivoire are currently responsible for 70% of energy production and 100% of its distribution.

How much power does Côte d'Ivoire have?

With an installed power capacity of almost 2,230 megawatts (MW), Côte d'Ivoire fully meets its domestic demand and exports the roughly 10% generation surplus to the subregion.

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