

## PDEOZE PowerContainer

# Solar Energy Storage Power Station in Côte d Ivoire



## Overview

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Ivory Coast has opened tenders for 200 MW/66 MWh of solar-plus-storage, seeking proposals for two 100 MW solar parks each connected to 33 MWh of storage. 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.

Why should Côte d'Ivoire invest in a solar power plant?

The solar power plant is regarded as a model project for the expansion of solar energy in Côte d'Ivoire. It is an important contribution to the fight against climate change and a decisive step towards increasing the share of renewable energies in the country's electricity supply to 45% by 2030.

Where is the first solar power plant in Côte d'Ivoire?

In Boundiali in the north of Côte d'Ivoire, the country's first solar power plant has now been inaugurated by Ivorian Prime Minister Beugré Mambé and German Parliamentary State Secretary Bärbel Kofler. The power plant has already been providing up to 37 megawatts of power since June 2023.

How many solar plants will Ivory Coast have by 2040?

Likewise, the government plans to reach 1,686 MW by 2040. The Minister of Mines, Oil, and Energy of the Ivory Coast, Mamadou Sangafowa Coulibaly, has declared plans to add 678 MW of solar capacity by 2030 and 1,686 MW by 2040. Plans for the 12 new solar plants with a combined capacity of 628 MWp are listed on the government website.

When will a solar power plant open in Côte d'Ivoire?

In the northern region of the Côte d'Ivoire, the first phase of a solar power facility has been officially opened. The Boundiali solar power plant's financing was initially revealed in 2018, and details of its commissioning were made public in December 2022.

How many solar plants are there in Côte d'Ivoire?

Additionally, Coulibaly mentioned plans to build seven more plants. These solar plants are 50 MWp in Tengréla, 50 MWp in Kong, 25 MWp in Sérébou, 60 MWp in Touba and Loba, 50 MWp in Odienné, 50 MWp in Mankono, and 25 MWp in Soubré. In the northern region of the Côte d'Ivoire, the first phase of a solar power facility has been officially opened.

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