

## A-Core Container

# Ivory Coast solar power home combined equipment



## Overview

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Who builds a solar power plant in Ivory Coast?

RMT builds a 37.5 MWp solar power plant and installs . Boundiali photovoltaic solar power plant in northern Ivory Coast was built in partnership with the country's government, in particular CI-ENERGIES, and with financial support from Germany. It has been in operation since July 2023.

How many solar plants will Ivory Coast have?

The Ivory Coast's Ministry of Mines, Oil, and Energy has unveiled plans to build 12 solar plants with a total capacity of 678 MW. Image: Markus Spiske, Unsplash Mamadou Sangafowa Coulibaly, the Ivory Coast's Minister of Mines, Oil and Energy, has announced plans to install 678 MW of solar capacity by 2030 and 1,686 MW by 2040.

How will the Ivory Coast improve its energy mix?

Work began on the second phase of the project at the same time, which will take the site's capacity to 80 MW. Construction will also soon begin on a 52 MW plant in the village of Sokhoro. The Ivory Coast aims to increase the share of renewables in its energy mix to 45% by 2030.

Why did Ivory Coast build its first solar power plant?

As part of its drive to diversify electricity generation sources and increase the share of renewable energies in its energy mix (45% by 2030), Ivory Coast commissioned RMT to build the country's very first photovoltaic solar power plant, with a capacity of 37.5 MWp, spread over 69,440 550 Wp solar panels and 168 inverter-strings of 250 kVA.

How much power does the Ivory Coast have?

Its capacity is set to expand to 80 MW by 2025, with financing for the expansion already approved by the government. The Ivory Coast currently has installed power capacity of 2,907 MW, with seven operational hydroelectric

dams serving as its primary renewable energy source alongside four existing gas and oil-fired thermal power plants.

What is the Bondoukou solar PV plant?

The Bondoukou Solar PV Plant will generate 85 GWh of clean energy annually, enough to power approximately 358,000 households, while offsetting more than 52,000 tons of CO2 emissions. The project is being implemented by AMEA Goutougo, a project company registered in Ivory Coast and fully owned by AMEA Power.

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