



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.

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.

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.



Ivory Coast electromagnetic solar container battery



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Saft supplying BESS for first solar PV plant in Côte d'Ivoire

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[Energy storage for Côte d'Ivoire's first solar plant](#)

The primary role of the ESS will be capacity firming and smoothing of the solar plant's intermittent output to ensure a predictable and reliable feed into the local grid. The fully-integrated lithium ...

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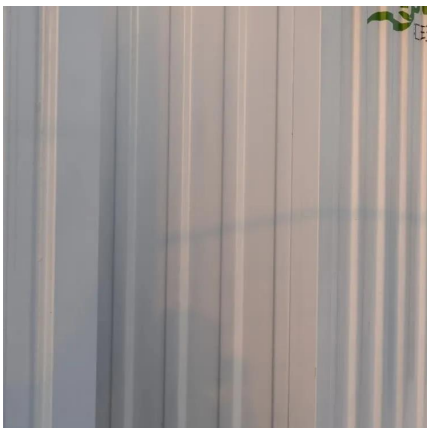
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Saft energy storage system will smooth grid integration for ...

May 11, 2022 · In addition to ensuring reliability and long-life in ambient temperatures that can reach 37°C, the battery containers are designed to resist hot and dusty winds. The ESS will ...

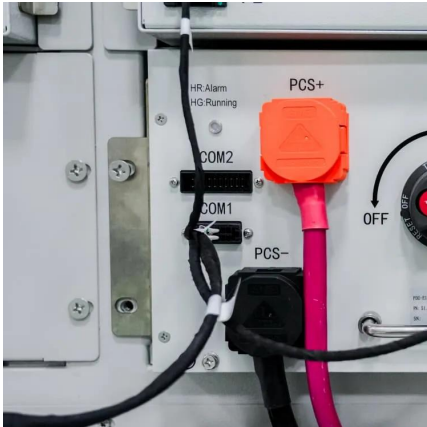
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