

SolarTech Power Solutions

Solar Energy Storage in Côte d'Ivoire



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.

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.

Will Côte d'Ivoire have a solar power plant?

The solar power plant is then expected to be the largest in West Africa. The further expansion of solar energy in Côte d'Ivoire will primarily be realised by private investors. The successful project in Boundiali demonstrates to them that large solar projects are technically and financially feasible in similar countries.

How many solar plants will Côte d'Ivoire build?

The Republic of Côte d'Ivoire is planning to build 12 photovoltaic solar plants with a combined capacity of 678 MW in different parts of the country by 2030. Likewise, the government plans to reach 1,686 MW by 2040.

How will a new solar power plant benefit Côte d'Ivoire?

The clean electricity generated in this way can supply 35,000 households, benefiting around 150,000 people. The new plant will save 35,000 tonnes of greenhouse gas emissions every year - an important contribution to climate protection. The solar power plant is regarded as a model project for the

expansion of solar energy in Côte d'Ivoire.

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.

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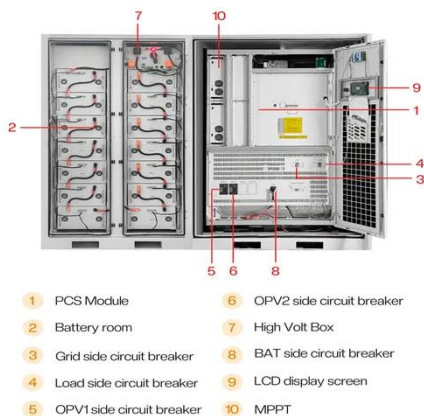


Soft energy storage system will smooth grid integration for Côte ...

Jul 1, 2025 · The 37.5 MWp (megawatt-peak) plant, owned and operated by CI-Energies (Côte d'Ivoire Energies), will be the first large-scale solar project in Côte d'Ivoire. The primary role of ...

Côte d'Ivoire: Solar energy project to boost connectivity

Jul 8, 2024 · A solar power plant is to be developed in the town of Kong in the northern region of Côte d'Ivoire under a BOOT (Build, Own, Operate and Transfer) model. The project, with a ...



Côte d'Ivoire Opens Bidding for 200 MW Solar Projects with Storage

Jun 4, 2025 · Côte d'Ivoire has launched two international tenders for the construction of solar photovoltaic plants, each with 100 MW capacity and 33 MWh of storage. The sites are located ...

Cote d'Ivoire's First Mega Solar Farm to be ...

Oct 22, 2019 · The government of Côte d'Ivoire has announced that a lithium-ion battery energy storage system will be installed at the first-ever mega solar ...



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First solar power plant in Côte d'Ivoire

Aug 19, 2025 · Côte d'Ivoire inaugurates its first photovoltaic solar power plant in Boundiali, symbolizing an important step in the diversification of its energy mix.

Africa Energy Futures Cote d'Ivoire , DLA Piper

Nov 3, 2022 · The Côte d'Ivoire government has announced that a lithium-ion battery energy storage system will be installed at the first-ever mega solar project in the country.



Côte d'Ivoire: PPP solar energy project gets the ...

May 26, 2025 · Côte d'Ivoire has



approved the construction of a \$60 million solar power plant in Katiola, aiming to produce 85,934 megawatt-hours (MWh) ...

EAAIF invests EUR 28 million in 52 MW solar plant in northern Côte ...

Abidjan, 23 December 2024: The Emerging Africa & Asia Infrastructure Fund (EAAIF), a Private Infrastructure Development Group (PIDG) company, managed by Ninety One, today ...

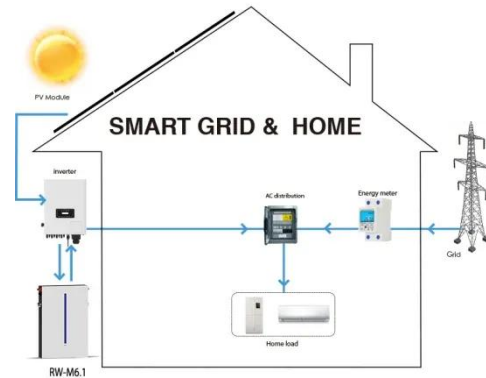


CIE Set to Inaugurate the First Solar Plant in Ivory Coast

Dec 21, 2022 · Noumory Sidibé, the Director General of CIE said that Côte d'Ivoire is rich in renewable energy potential, and after having experimented with fossil fuels and ...

12 Solar Plants to Emerge in Côte d'Ivoire

Apr 10, 2024 · The Republic of Côte d'Ivoire is planning to build 12 photovoltaic solar plants with a combined capacity of 678 MW in different parts of the country by 2030. Likewise, the ...



Côte d'Ivoire looks to energy storage systems ...

May 18, 2022 · The first large-scale solar power plant to be built in Côte d'Ivoire will integrate a 10MW energy storage system for smooth grid integration. The ...

JC Mont-Fort wins 50 MW solar concession in Côte d'Ivoire

Dec 20, 2024 · JC Mont-Fort, through its subsidiary Katiola Solar Power, has secured a concession to develop, finance, build, and operate a 50 MWp solar plant in Katiola, Côte ...



Saft supplying BESS for first solar PV plant in ...



May 11, 2022 · 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 ...

Côte d'Ivoire launches two 200 MWc solar tenders with integrated storage

Aug 15, 2025 · Côte d'Ivoire has launched two international tenders for the construction of photovoltaic solar power plants, each with a capacity of 100 megawatts-peak (MWc), in ...



Eaaf invests in Côte d'Ivoire's largest-ever solar PV plant

Jan 15, 2025 · Blended finance vehicle the Emerging Africa & Asia Infrastructure Fund has committed \$29m to Côte d'Ivoire's largest-ever solar power project. The project is one of ...

EAAIF invests EUR 28 million in 52 MW solar ...

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solar plant in northern Côte d'Ivoire to
increase energy access to underserved
...



Côte d'Ivoire: PFO Africa invest in solar energy

Feb 17, 2025 · Côte d'Ivoire has entered a new phase in the deployment of renewable energy with the official launch of Ferké Solar, a photovoltaic power ...

Infinity Power signs Concession Agreements for Scaling Solar Côte d'Ivoire

Aug 7, 2025 · Infinity Power signs agreements for two landmark solar projects that together will provide 80MWac of clean power to the country. These two projects are awarded under the ...



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