

Lithium ion battery solar Ivory Coast

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.

Is Cie launching a solar farm in the Ivory Coast?

CIE, the Ivory Coast's state-owned utility and subsidiary of French group Eranove, has recently completed the development of this solar farm in the Boundiali Department, Bangoue Region. The solar power plant is now set to supply clean electricity to 30,000 households in the region. But, its launch date is yet to be known.

Will Ivory Coast start a solar power plant?

"After having experimented with fossil fuels and hydroelectricity, [Ivory Coast], which is rich in renewable energy potential, is about to commission its first solar power plant, marking its intention to vary its energy mix as much as possible," said Noumory Sidibé, the director general of CIE

It will install six of its Intensium Max High Energy containers with lithium-ion batteries. Furthermore, according to Saft, the energy storage system will offer capacity firming and PV smoothing services to the solar plant.

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Compagnie Ivoirienne d'Electricité (CIE), a utility in the Ivory Coast, is set to inaugurate its first solar plant - a EUR40 million (\$42.6 million), 37.5 MW installation, backed by a 10 MW ...

As part of this project, a 15 kWp photovoltaic micro-network combined with a 9.6 kWh lithium-ion battery was planned. It will be managed by a smart box that optimizes battery charge/discharge, based on production and consumption forecasting algorithms, and above all, ensures reliable power supply off the national grid.

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