

## European Solar and Energy Storage Solutions

# French Guiana sunshine solar power



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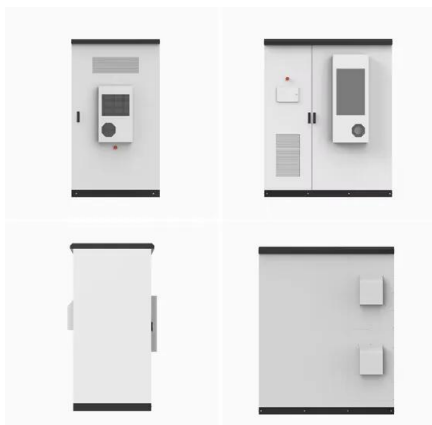
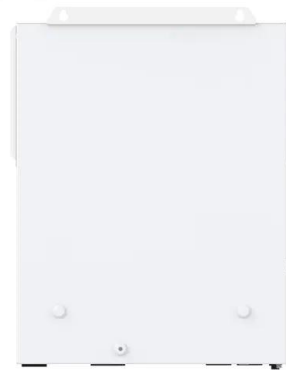


### Is Germany's solar revolution under threat?

Germany has capitalised on solar PV's growth. According to GlobalData, in 2014, solar PV made up 20% of its power mix, with fossil fuels (coal, oil and gas) dominating at 43% and wind at 21%. In 2023, solar PV surpassed fossil fuels, accounting for 33% of power capacity compared to the latter's 30% and 28% for wind.

### Voltaia energises solar-storage park in French Guiana

Renewable power plants operator Voltaia SA (EPA:VL TSA) on Thursday announced the commissioning of its 5-MW Parc Sable Blanc solar farm with an integrated storage system in French Guiana. The Paris-based company secured the project in a government tender for solar projects in non-interconnected zones (ZNIs) in May 2021.

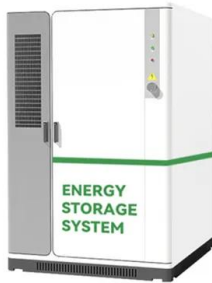


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## Multi-Megawatt Hydrogen Plant to Power French Guiana

The CEOG system is a combination of a solar park, hydrogen long-term energy storage and a battery (short-term energy storage) to produce 24/7 baseload power. It is the first time that a renewable energy project supplies a grid through a capacity-based Power Purchase Agreement, usually used for thermal power plants.



## Project

CEOG is an innovative multi-megawatt power plant designed to produce reliable and clean electricity. CEOG will provide cheaper and firm power all year long, day and night, to 10 000 homes in Western Guiana. Combining a photovoltaic plant and mass storage of energy in the form of hydrogen, CEOG is the alternative to a classic diesel power plant.

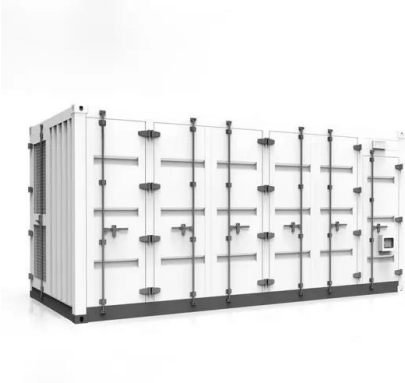
## Harlin Solar PV Project

The Harlin Solar PV Project - Battery Energy Storage System is a 500,000kW energy storage project located in Harlin, Kilcoy, Queensland, Australia. Skip to site menu Skip to page content. PT. Menu. Sunshine Energy Ltd Sea Power Co., Ltd. Sea Power View all. By GlobalData. Submit



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## **Voltalia breaks ground on 5-MW solar-plus-storage ...**

French renewable power producer Voltalia SA (EPA:VLTSA) has started the construction works on a 5-MW solar farm combined with a 10.6-MWh lithium-ion battery storage unit in French Guiana. Named Sable Blanc, ...



## **Voltalia breaks ground on 5-MW solar-plus-storage plant in French Guiana**

French renewable power producer Voltalia SA (EPA:VLTSA) has started the construction works on a 5-MW solar farm combined with a 10.6-MWh lithium-ion battery storage unit in French Guiana. Named Sable Blanc, the photovoltaic (PV) plant should be able to generate 7,430 MWh annually, enough to meet the electrical demands of 3,090 people in Western



## **About Us**

Sunshine Solar is a full-service design, engineering, financial analysis, installation and maintenance company for the solar industry. We also specialize in off-grid solutions for customers in remote areas where the power grid is

inaccessible. We are not your run-of-the-mill solar company, which is reflected in the quality and craftsmanship of our work.



## Road to nowhere: great solar disappointments

From a solar road in France to a \$200bn solar facility in Saudi Arabia, the solar sector has its fair share of failed and struggling projects. Medicine Hat itself receives an average of 2,544 sunshine hours a year, significantly lower than the 3,470 sunlight hours a year enjoyed by California, the US state with by far the largest solar

## Voltalia wins a mixed photovoltaic and battery storage power ...

Voltalia is the sole winner of the fifth period of the CRE 4 tender for non-interconnected areas for ground-based solar power plants in French Guiana. The project, called "Parc Sable Blanc", combines a five-megawatt photovoltaic power plant with a lithium-ion battery storage facility with a capacity of 5 megawatts and of 9.3 megawatt-hours.



## French Guiana Power Plants

List of power plants in French Guiana from [OpenStreetMap](#). [OpenInfraMap](#) ? [Stats](#) ? [French Guiana](#) ? [Power Plants](#). All 20 power plants in



French Guiana; Name English Name Operator  
 solar: photovoltaic: Centrale solaire  
 photovoltaïque Toucan 2: EDF: 5.00 MW: solar:  
 photovoltaic: 4.50 MW: hydro: run-of-the-river:  
 Centrale: Voltalia: 2.00 MW

## FPL Sunshine Gateway Solar PV Park, US

FPL Sunshine Gateway Solar PV Park is a ground-mounted solar project which is spread over an area of 448 acres. The project supplies enough clean energy to power 15,000 households. The project cost is \$90.932m. The project consists of 330,000 modules.



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## In French Guiana, commissioning of a combined solar and storage power ...

In French Guiana, commissioning of a combined solar and storage power plant Voltalia (Euronext Paris, ISIN code: FR0011995588), an international player in renewable energy, announces today





## French Guiana

In French Guiana, a region with high annual sunshine hours, the Group operates two photovoltaic power plants, Matoury and Kourou, located in areas free from conflicts of use. The larger of the two - and indeed the largest anywhere in Overseas France - is located in Kourou.

## Harnessing solar power for climate adaptation in French Guiana : ...

Author: Ismaël Aduayom, Ph. D. As French Guiana faces increasing climate challenges, such as rising sea levels, fluctuating rainfall patterns, and reliance on fossil fuels for energy, the need



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## Spatiotemporal indicators of solar energy potential in the Guiana

In 2015, according to IEA, the maximum net capacity of installed photovoltaic (PV) capacity in the countries of the Guiana Shield was 0 MW in Suriname, 2 MW in Guyana, and 3 MW in Venezuela. There are few or virtually no solar

power plants in Amapá, North Brazil, while French Guiana has installed 39 MW [2-5].



## **Voltaia gets tender award for 5-MW solar project in French Guiana**

Voltaia has secured the Parc Sable Blanc scheme, which calls for the construction of a 5-MW solar plant with an integrated lithium-ion battery facility of 5 MW/9.3 MWh. The capacity will be installed in the commune of Mana, French Guiana, within the Toco energy storage complex.

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