

# **French Guiana solar power distribution system**





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### France releases renewable energy plan for French Guiana, solar ...

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### French Guiana plans 140 MWh renewable energy storage system

HDF Energy's Renewstable solution combines a 55 MW solar farm with what the company says is the world's largest renewable energy storage solution, to provide a ground-breaking 140 MWh capacity, based on hydrogen for use in a fuel cell system. This is supported via secondary storage using batteries.



- LIQUID/AIR COOLING
- INTELLIGENT INTEGRATION
- PROTECTION IP54/IP55
- BATTERY /6000 CYCLES



### ENERGY PROFILE French Guiana

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

### EDF Renewables commissions a new solar farm with storage in French Guiana

Together, the two facilities possess a combined



capacity of 10 MW, generating sufficient energy to cover the annual electricity needs of close to 3,600 homes in French Guiana. In French Guiana, EDF now has eight solar facilities in service, including three that are equipped with battery storage systems. It represents close to 20 MW in total



## French Guiana

As well as contributing to network stability, particularly during peak consumption periods, the rollout of solar power is accelerating French Guiana's energy transition. This strategic objective is supported by Albioma and consistent with France's multiyear energy plan (PPE), which aims to increase the share of renewable energy in French

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

Votalia 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.



## Power plant profile: French Western Guiana Solar PV Park, French Guiana

French Western Guiana Solar PV Park is a ground-mounted solar project. The project is expected to generate 50GWh electricity and supply enough clean energy to power 10,000 households. The



project is expected to offset 39,000t of carbon dioxide emissions (CO2) a year.



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### Solar focus in French Guiana energy programme, renewables

French energy minister Ségolène Royal has signed a decree establishing an energy programme (PPE) for French Guiana, that aims to use solar, biomass and hydro to reach 85% renewables





## Voltalia energises solar-storage park in French Guiana

Renewable power plants operator Voltalia SA (EPA:VLTSA) 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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18650<sup>3.7V</sup>  
Li-ion  
RECHARGEABLE BATTERY

2000mAh



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