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Solar panels in rural Haiti





Overview

Can solar energy be used in Haiti?

Solar energy offers interesting prospects in Haiti, by offering energy self-sufficiency to the most isolated cities, in the absence of a power grid. The country's location in the tropics gives it very strong solar energy potential. It is believed solar energy will play a fundamental role in access to electricity over the next 10 to 15 years.

Why is distributed solar PV the only energy source in Haiti?

Since only about 13% of the people even have grid access, distributed solar pv is the only energy source that can supply all the people electricity for now. Haiti has limited energy resources: no petroleum or gas resources, small hydroelectricity potential and rapidly declining supplies of wood fuels.

Is Haiti a solar power market?

Recently, many solar companies have seen Haiti as a huge market potential for solar energy. The founder of 10Power estimates that the potential solar power market is worth over \$500 million. In 2013, the completion of Hôpital Universitaire de Mirebalais came to an end. This hospital is the largest solar-powered hospital in the world.

What is the solar power plant capacity in Haiti?

The solar generation capacity of the Solar Power Plant will be 1.2 MWp with a storage capacity of 800 kW / 330 kWh. in the Commune of Jacmel, in the South-East Department and will be connected to the regional electricity network of Jacmel. Haiti's 2020 total GHG Emissions (mtCO2e) per the World Bank is 10,267.



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[Achieving Energy Access in Haiti](#)

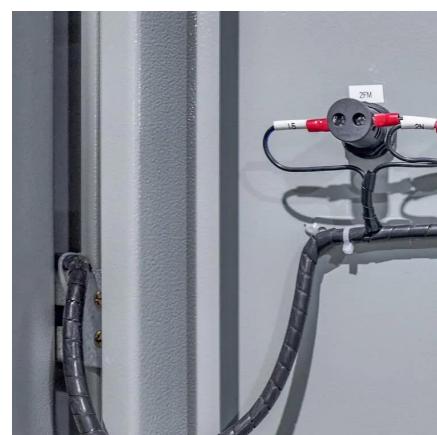
Energy Access in Haiti
Okra Solar in Haiti
Dulagon System Design & Project Timeline
Cost Per Connection
Subsidy Model
Haiti's Future
In 2021, the first Okra Solar mesh-grid was deployed in the country by the Haitian energy developer: Alina Enèji. The project connected 35 rural households in rural Dulagon with reliable and affordable energy access for the first time. In late April 2022, with the support of Haiti's Off-Grid Electrification Fund (OGEF), the project expanded to 300 h. See more on [okrasolar](#)

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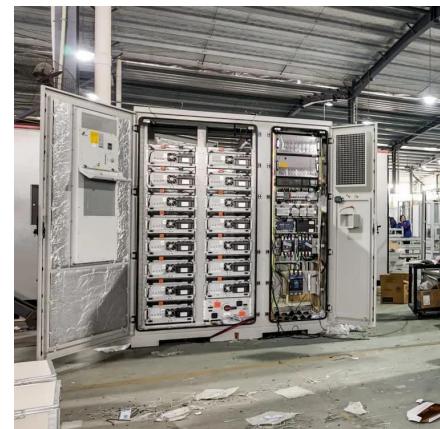
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