

Mali solar power generation system





Overview

Is solar power a good idea in Mali?

Solar power is a recent development in the country. The government is encouraging the use of it by exempting equipment from customs duties and promising to subsidize the price of solar kits. Without such subsidies, solar energy in Mali is about twice the price of the traditional fossil fuel energy used in cities.

How many mini-solar plants are there in Mali?

The rural electrification agency says 32 mini-solar plants like the one in Karan are in four regions in Mali's south and southwest of the country, providing power for more than 2 million people, and are run by WeLight and German-owned Africa GreenTec. "We started with 48 connections and now we have more than 200.

How many people in Mali have electricity?

Only 53% of Mali's population had access to electricity as of 2021, according to the latest data from the World Bank. In rural areas, access is as low as 25%, according to Abdoulaye Makan Sissoko, an official with Mali's rural electrification agency.

Can Mali achieve universal access to electricity?

In rural areas, access is as low as 25%, according to Abdoulaye Makan Sissoko, an official with Mali's rural electrification agency. Studies have shown that achieving universal access to electricity in Mali would require an investment of around \$1.3 billion to extend networks and create more mini-grids, Sissoko said.



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The two Solar Power Center consist of a solar-PV system with a total output of 153 kWp and a 230 kWh battery energy storage system each, which feed into the existing mini-grids.

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