

# Solar electric station Eritrea

Does Eritrea have solar power?

Eritrea's weather, characterized by long sunny days throughout the year, makes it suitable for harnessing solar power. Data from the wind and solar monitoring stations installed in many parts of Eritrea show that the country has a great potential, around 6 kwh/m<sup>2</sup> of solar energy.

Where is Eritrea's first solar plant?

The government of Eritrea has received a \$49.92 million grant from the African Development Bank to fund a 30 MW photovoltaic plant in the town of Dekemhare, 40 km southeast of the capital Asmara. It will be the country's first large-scale solar plant.

Does Eritrea have a solar farm?

Eritrea is lagging far behind in the electrification of its territory and is now turning to renewable energy. The government has launched the country's first solar farm, a 30-MW facility 30 km from the capital, Asmara.

Why should Eritrea invest in a solar plant?

This initiative aims to address the energy needs of Eritrea while promoting sustainability and reducing carbon emissions. The solar plant is anticipated to contribute to the nation's energy independence and support its commitment to renewable energy development.

What are the benefits of solar energy in Eritrea?

The government of Eritrea has been making efforts to promote the use of alternative sources of energy, especially solar energy, to mitigate the problems associated with the use of fossil fuel. A major benefit of solar energy is that it does not pollute the environment and saves money in the long run even if its installation cost is quite high.

Why did Eritreans need solar energy?

Mr. Aklilu added that renewable energy, especially solar energy, was back then a novel technology to Eritreans, and, therefore, they had to learn how to install big solar energy plants to generate sufficient power to supply energy to many villages and farms.

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Recently, the China-aided solar photovoltaic project in Eritrea was completed, which was contracted China

State Construction Power and Environment Engineering Co., Ltd. of Second Bureau.

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A project developer from China has been selected to construct the first solar PV energy storage plant in Eritrea. The African Development Bank (AfDB) funded project will be made up of a 30MW solar photovoltaic power station ...

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The Ministry of Energy and Mines in Eritrea has announced the award of a contract for the design, supply, and installation of a 30 MW solar PV plant, battery storage system, and associated facilities.

Eritrea is to construct a solar photovoltaic power plant with a battery backup system to address its electricity challenges. The 30MW project will be funded through a \$49.92 million grant from the African Development Bank.

