

Eritrea has solar power generation for home use





Overview

Eritrea has launched the Dekemhare solar PV project, adding 30 MW of solar power to the national grid. Funded by the World Bank, this project incorporates a 15 MW battery storage system and connects to the Dekemhare substation. 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.

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 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/m² of solar energy.

What are the current energy sources in Eritrea?

In Eritrea, the current energy sources are animal power and biomass resources. An aggressive energy transition would move away from these sources to a situation where households, services and farming activities use a range of sustainable and diversified energy sources.

What is Eritrea's 2030 target for renewable energy?

Eritrea aims to supply 20% of electric power demand through renewable



energy sources by 2030. The African Development Bank funding will help the country in achieving this target.

Where can I find information on renewable power capacity & generation of Eritrea?

You can find information on the renewable power capacity and generation in Eritrea on the homepage of IRENA.org. Climatescope 2019 lists the clean energy policies and investments for Eritrea.



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[Eritrea and solar power , Research Starters](#)

With no viable hydropower resources, Eritrea, with the assistance of foreign aid, is developing wind and photovoltaic solar power. Eritrea is an arid country with a long coastline on the Red ...

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Strategies for integrating residential PV and wind energy in Eritrea...

Emphasized the importance of storage and balancing generators for grid stability. The global shift towards renewable energy necessitates careful planning and integration ...

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Eritrea to set up the Desert to Power Initiative with three major ...

Building on this momentum, Eritrea is now launching three new solar mini-grid projects under the DtP framework, targeting the regions of Tesseney, Kerkebet, and Barentu.

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Eritrea secures \$50 million for 30 MW solar plant with 30 MWh of

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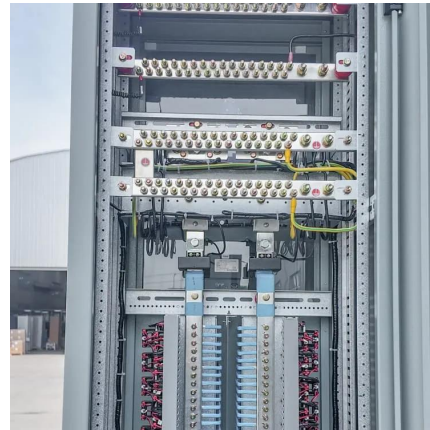
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[Eritrea Launches First Solar Power and Storage System](#)

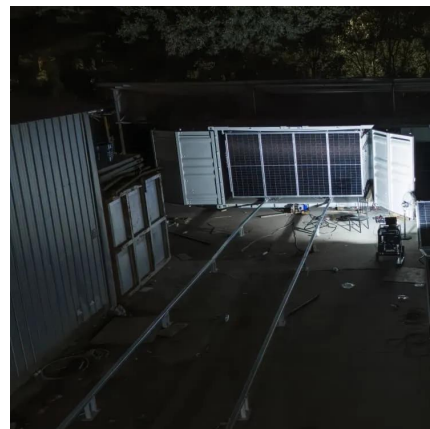
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[Renewable Energy in Eritrea: The Effects of Solar Power](#)

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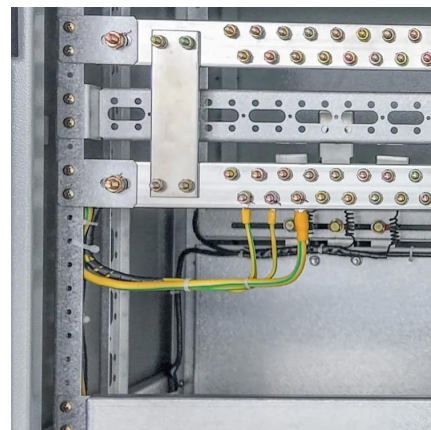
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