

Solar power station for home in Botswana





Overview

What is the role of solar energy in development in Botswana?

Role of solar energy in development in Botswana 181 Water Affairs (MMRWA), which is responsible for all energy matters in the country, is actively engaged in assessing the potential of and paving the path for a larger use of solar and other renewable energies.

Does Botswana have solar energy?

Botswana has abundant solar energy resources, receiving over 3,200 hours of sunshine per year with an average insolation on a horizontal surface of 21MJ/m², one of the highest rates of insolation in the world. It is essential to take advantage of the abundance of this resource.

How will Botswana Power Projects be implemented?

These projects, with a combined capacity of 1.5GW, will be implemented through private sector investment, with the Botswana Power Corporation (BPC) acting as the offtaker under long-term Power Purchase Agreements (PPAs) of up to 25 years.

Which solar still is best suited for Botswana?

After years of research and development activities, the RIIC findings concluded that the Mexican and brick solar stills are the best suited for application in Botswana. The Mexican still consists of a moulded fibreglass basin of 1.6 m² base area to hold saline water and has gutters on two sides to collect the distillate.



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BOTSWANA: 1st PPP in solar power, Bobonong and Shakawe power stations

The Bobonong and Shakawe solar photovoltaic power stations are coming on stream in Botswana. These facilities, built under public-private partnerships (PPP), inject 4 ...

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[10 Largest Solar Projects in Botswana](#)

Key Statistics and Analysis Total Capacity: The combined capacity of the ten largest solar projects in Botswana is estimated to reach approximately 610 MW, significantly ...

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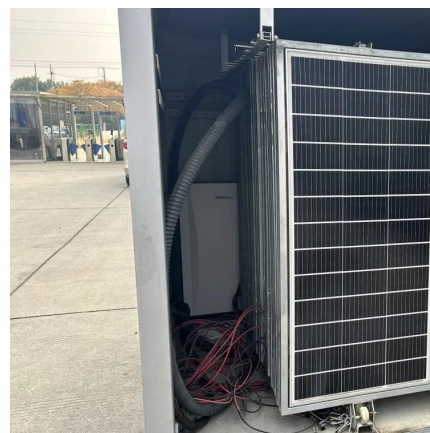
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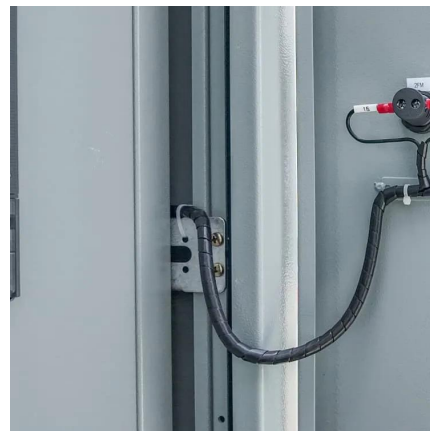
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