

Can Mozambique take full advantage of its solar potential?

In a new monthly column for pv magazine, SolarPower Europe describes how Mozambique may take full advantage of its huge solar potential by implementing its recently launched Renewable Energy Auctions Programme for large-scale projects, while also pushing for more off-grid renewables in remote areas.

Will Mozambique get a solar power plant in 2023?

Future tenders are expected to be announced in Q4 of 2023, including the selection of two independent power producers for two 30 MW solar photovoltaic power plants and one 50 MW wind power plant. But Mozambique has an enormous challenge that spreads far beyond where the national grid ends.

Does Mozambique have a solar vision?

However, the Mozambican government has a vision for the country, based on clean electrification for all. The southern African nation possesses serious solar wealth, with 23 TW of its 23,026 GW estimated renewable potential attributed to solar.

What is the market for off-grid solar in Mozambique?

The total estimated addressable market for off-grid solar is currently 173 MW, and is expected to grow in line with the growth of the aforementioned sectors. Recent energy policy reforms are also changing the game for off-grid renewables in Mozambique.

Will Mozambique achieve universal energy access by 2030?

By 2030, the Government of Mozambique hopes to transform this landscape, and achieve universal energy access by the end of the decade. This would require capacity to more than double to almost 6,500 MW. Solar is undeniably the most intuitive renewable technology when it comes to off-grid energy solutions.

Who built Mozambique's first large-scale solar power plant?

Capital and expertise from Scatec Solar, KLP and Norfund enabled the construction of Mozambique's first large-scale solar power plant. Central Solar de Mocuba (CESOM) provides over 79 GWh of electricity annually, which is equivalent to the electricity consumption of more than 170,000 households in Mozambique.

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Solar centred: Much like neighbouring South Africa, Mozambique is starting to harness solar power as a major source of electricity, on utility and residential scales. Photo: Ashraf Hendricks Mozambique is currently

developing its five-year Energy for All programme, which aims to ensure that 10-million more people have access to electricity by ...

Central Solar de Mocuba has increased Mozambique's energy generation capacity by 40 MW and will produce approximately 79 GWh per year. The project's strategic location will reduce energy transmission losses and improve the security of energy supply in northern Mozambique and stabilize the grid.

Listed below are the five largest upcoming Solar PV power plants by capacity in Mozambique, according to GlobalData's power plants database. GlobalData uses proprietary data and analytics to provide a complete picture of the global Solar PV power segment.

A US\$110.6 million solar project in Mozambique aims to support the country's goal of universal electrification by 2030. Located in Moamba, the solar project will reduce reliance on hydropower, create jobs, and boost the local economy.

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Center-northern Mozambique suffers from low electricity access due to its isolation from main generation center in the South, significant transmission losses and an overreliance on power supply from the Cahora-Bassa hydropower plant.

Mozambique had installed 83 MW of solar by the end of 2023, according to figures from the International Renewable Energy Agency (IRENA). The country's Power Infrastructure Master Plan sets a target of 50% of its energy generation to come from renewable energy sources by 2043.



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