

Namibia solar Power System Model





Overview

Can solar and wind be used in Namibia?

technologies simply do not have the same kind of large-scale environmental and social impacts, which considerably reduces the likelihood of local backlash. Solar and wind can be more easily sited in areas that avoid issues like displacement, especially in Namibia which is well-endowed with suitable areas.

Why should Namibia invest in a mega solar project?

This mega solar project will support Namibia's efforts to enhance its renewable energy infrastructure and is expected to greatly contribute to the country's general electricity supply security and also its sustainability goals.

Can Namibia achieve 1700MW solar & wind capacity in 2040?

This assessment suggests that there are plenty suitable areas for Namibia to achieve the ~1,700MW of solar and wind capacity selected by the least-cost model in 2040.⁹⁸ A quick calculation shows us that just 0.04% of the most suitable solar and wind areas would be required to meet this target. Similarly, 95.

Does Namibia have a hydropower plant?

Namibia is heavily reliant on the 347MW Ruacana hydropower project, which makes up over half the country's installed capacity. But Ruacana can only run at full capacity during the rainy season (which coincides with the low demand season), and operates as a peaking plant for the rest of the year.



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Jun 23, 2025 · State-owned utility NamPower has started construction on the 100 MW Sores Gaib Power Station in southern Namibia - its largest solar project to date.

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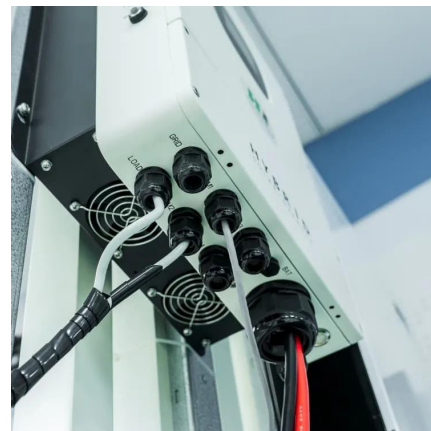


[Least-cost energy investment study for Namibia](#)

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[NamPower breaks ground on 100-MW solar project in Namibia](#)

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