



# Solar power generation locations in Namibia





## Overview

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Explore the solar photovoltaic (PV) potential across 13 locations in Namibia, from Nkurenkuru to Oranjemund. We have utilized empirical solar and meteorological data obtained from NASA's POWER API to determine solar PV potential and identify the optimal panel tilt angles for these. NamPower, Namibia's state-owned utility, is making significant strides with its Rosh Pinah solar plant project, a landmark initiative set to become the nation's largest solar power facility to date. The project has officially moved forward after securing substantial funding from the German. Below is the average daily output per kW of Solar PV installed for each season, along with the ideal solar panel tilt angles calculated for various locations in Namibia. The locations of power generation facilities that are operating, under construction or planned are shown by type - including liquid fuels, natural gas, coal, hybrid, hydroelectricity, solar, wind and. Namibia, a country known for its vast deserts and vast stretches of arid land, is experiencing a renewable energy revolution. The country is blessed with abundant natural resources that are perfect for harnessing renewable energy, particularly solar and wind power. The power station is under development by Namibia Power Corporation Limited (NamPower), the Namibian state-owned electric utility company. NamPower starts building the 100 MW Sores Gaib solar park, Namibia's largest, funded by KfW and due online in 2026 to cut imports and CO<sub>2</sub> emissions. Namibia took a decisive step toward energy self-reliance this week as state-owned utility NamPower officially launched construction of the.



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### [Namibia solar power: Impressive 100 MW Plant Advances](#)

This project not only helps Namibia meet its energy demands but also aligns with regional trends toward solar and wind development, positioning the country as a key player in ...

### NamPower Solar Power Station

The power station is under development by Namibia Power Corporation Limited (NamPower), the Namibian state-owned electric utility company. When completed, this renewable energy ...



### [A \\$90.3 million solar power plant launched by NamPower to ensure](#)

Namibia has commenced building its largest solar facility, Sores, Gaib, to reduce its reliance on energy imports by utilising its significant solar capability, which is regarded as one of the highest ...



### [Executive summary - Renewable Energy Opportunities for Namibia](#)

Located on the Southwest Atlantic coast of Africa, with a small population of 3 million people, the country is endowed with world-class solar and wind resources. Solar photovoltaic (PV) systems in Namibia ...



## Namibia Power Plants

List of power plants in Namibia from OpenStreetMap



### [NamPower Breaks Ground on Namibia's Largest 100-MW Sores Gaib ...](#)

All output will feed directly into the national grid, easing Namibia's heavy reliance on imports from South Africa, Zambia and Zimbabwe, which currently supply almost half of its 700-MW ...



### [Solar PV potential in Namibia by location](#)

Explore the solar photovoltaic (PV) potential across 13 locations in Namibia, from Nkurenkuru to Oranjemund. We have utilized empirical solar and meteorological data obtained from NASA's ...



**200kWh  
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### [Namibia's Renewable Energy Revolution: Solar and Wind Power ...](#)



This article explores Namibia's growing renewable energy sector, the role of solar and wind power in the country's energy future, and the various projects that are helping to position ...



### [NamPower begins 100 MW solar project in Namibia](#)

The national electricity utility of Namibia, NamPower has started construction of the Sores Gaib solar power station in Rosh Pinah, Namibia. The solar photovoltaic (PV) plant will have a ...



### [Power sector infrastructure and green hydrogen projects in Namibia](#)

Revised in February 2025, this map provides a detailed view of the power sector in Namibia. The locations of power generation facilities that are operating, under construction or ...





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