

# **Namibia wind power solar power and energy storage settled**





## Overview

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Should Namibia invest in wind and solar?

Private investment in wind and solar could help Namibia to move away from dependence on unreliable hydropower and expensive imports. Indeed, our analysis suggests this is the cheapest and best technological pathway for Namibia and should thus be prioritized by energy planners.

Can solar and wind be rolled out quickly in Namibia?

We find that solar and wind can be rolled out rapidly because Namibia enjoys large areas that are both high in renewable resource potential (i.e. solar radiation and wind speed) and low in social and environmental risk.<sup>1</sup> Importantly, this lower risk and higher reward profile should also attract substantial private investment.

How can Namibia meet its energy demand?

Namibia is at a crucial point in the development of its energy system – the country must soon make critical decisions to meet its growing energy demand. In particular, it must decide whether to prioritize the development of large-scale hydropower, namely the Baynes dam, or to develop abundant solar and wind resources.

What is Namibia's energy sector?

Namibia's energy sector is primarily governed by the Ministry of Mines and Energy, which collaborates with NamPower, the state-owned utility, and the Electricity Control Board (ECB). Key developments in Namibia's renewable energy landscape include: Solar power dominates Namibia's renewable energy projects.



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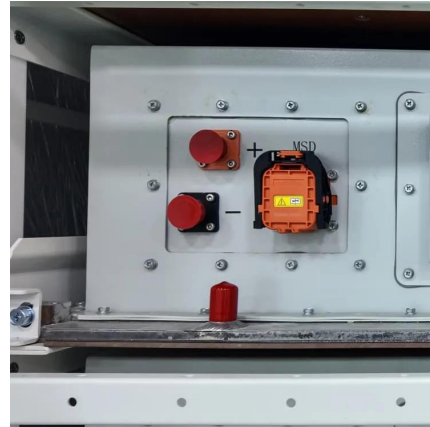


### [Least-cost energy investment study for Namibia](#)

Jul 17, 2023 · Our results indicate that solar and wind with storage make up the largest share of Namibia's energy future under a least-cost energy investment scenario to both 2030 and 2040, ...

### [Namibia's Renewable Energy Revolution: Paving the Way for ...](#)

Mar 28, 2024 · A notable example is the 37 MW Hardap Solar Power Plant, a joint venture between the Namibian government and private sector partners like Intrathen (Pty) Ltd and ...



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What is Namibia's First Solar power plant?  
Namibia's first solar power plant was inaugurated in 2015 through the REFiT system. InnoSun Energy Holdings opened the Omburu Solar PV Park ...

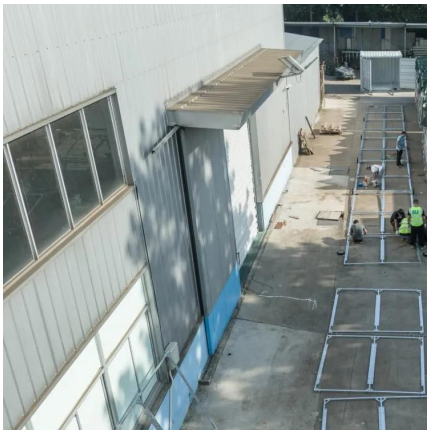
### [Executive summary - Renewable Energy Opportunities for Namibia](#)

Oct 10, 2025 · Namibia's vast renewable energy potential holds significant opportunities for socio-economic development. Located on the Southwest Atlantic coast of Africa, with a small ...



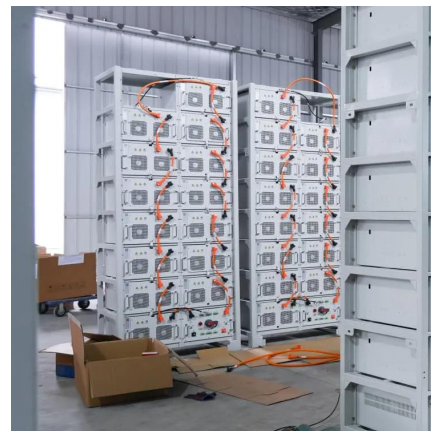
[Renewable Energy in Namibia: Challenges and Opportunities](#)

Jan 22, 2025 · Solar power dominates Namibia's renewable energy projects. Several solar farms, including the Omburu Solar Plant and the Diaz Wind Power Project, contribute to the national ...



[Renewable energy investment factsheet: Namibia](#)

May 6, 2025 · 4. Investment prospects Investing in Namibia comes with a strategic focus on renewable energy, critical minerals mining, logistics, and green hydrogen. With one of the ...



[Namibia's renewable energy potential showcased through ...](#)

Nov 8, 2024 · The International Energy Agency (IEA) launched its 'Renewable Energy Opportunities Report for Namibia' on Tuesday at the Africa Energy Week: Invest in African ...





## THE NAMIBIAN RENEWABLE ENERGY AND GREEN

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Sep 25, 2023 · With an installed capacity of 680 MW, Namibia produces 70% of its electricity from renewable sources, including solar, hydro and wind. But the country imports 60% of its ...



## Namibian solar and wind gathers pace as hydroelectric power ...

Feb 23, 2025 · The latest Data Trends analysis from African Energy Live Data (Live Data) shows that Namibia's installed capacity was 663MW as of end-2023. Hydroelectric power (HEP) ...

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