

Does Namibia have a solar power plant?

The government, the ECB, and NamPower have all expressed interest in grid-connected solar and wind renewable solutions, and in May 2015, Namibia inaugurated its first-ever solar power plant - a 4.5 MW plant - which represents one percent of the country's current production of energy.

Does Namibia accept unsolicited power generation projects?

The Electricity Control Board (ECB), Namibia's electricity regulator, accepts unsolicited power generation projects through its IPP framework. The Minister of Mines and Energy has final authority to approve/refuse IPP licenses, but the ECB makes recommendations on license applications, which the Minister has historically followed.

Does Namibia have a centralized power system?

Namibia is evolving from a centralized model dominated by one large utility, NamPower, to a hybrid decentralized model with multiple actors generating and supplying electricity. This represents a significant shift in the generating mix.

How did NamPower make Namibia less reliant on South Africa?

In 2021, NamPower also completed the N\$3.2 billion TransCaprivi Interconnector which connects central Namibia directly with the power grids of Zambia and Zimbabwe, thereby making Namibia less reliant on South Africa's transmission network.

How much power does Namibia need?

Peak demand is over 600 MW. Namibia has long relied on imported power from South Africa (Eskom) and other neighboring countries, but South Africa's own economy has put strains on its domestic electricity generation capability and thus its ability to export. Namibia has a power purchase agreement with Eskom which expires in 2025.

Can Namibia become a net exporter of energy?

Over the long-term, the government and NamPower have committed to making Namibia energy self-sufficient (and eventually a net exporter of power) by building new domestic generation capacity. NamPower has made

NAMIBIA ULTIMATE POWER SOLUTION



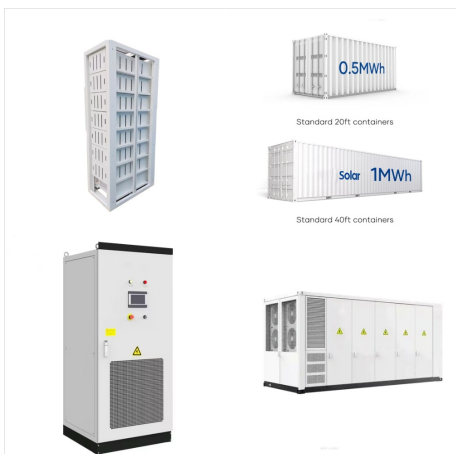
some progress in efforts to increase its generation capacity.



As the leading supplier of high-quality solar equipment in Namibia, we empower both residential and commercial customers with reliable, sustainable, and cost-effective energy solutions. Key ???

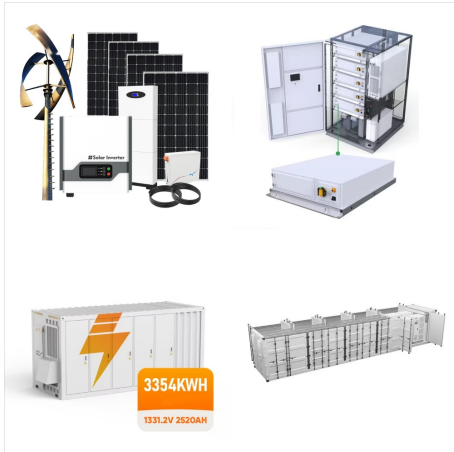


Sustainable Power Solutions (SPS), together with its Namibian partners, Fortitude and the Oelofse family, are pioneering the latest development in Namibia's energy and mining sector. SPS Solar Plant Namibia. N\$200 Million Renewable Energy Flagship Project



HOPSOL Africa is a technology leader for on- and off-grid solar power plants, fuel save controllers as well as solar diesel hybrid systems at utility scale (e.g. mining solutions). We are specialized in building and operating solar power plants in deserts and desert-like regions.

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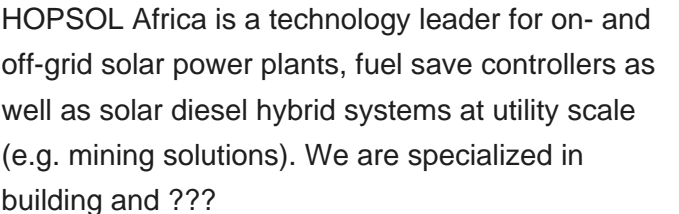
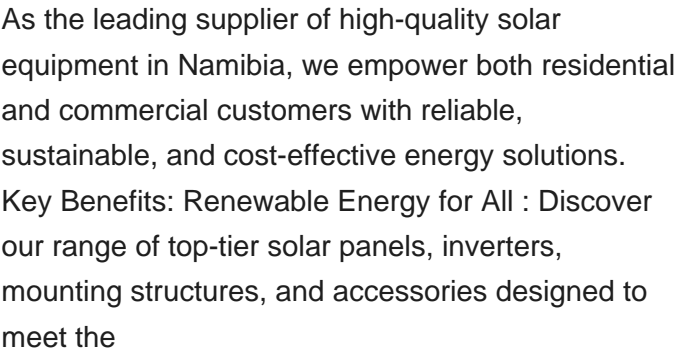
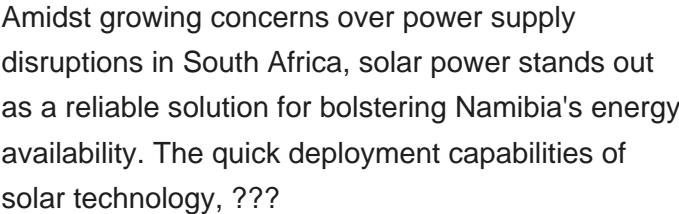
Sustainable Power Solutions (SPS) is embarking on a visionary N\$200 million investment to establish a 10MW solar plant on Maxwell Farm, North Central Namibia. Set to be operational by the end of 2024, this project marks the first instance of a wheeling model under NamPower's Modified Single Buyer (MSB) framework.



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Amidst growing concerns over power supply disruptions in South Africa, solar power stands out as a reliable solution for bolstering Namibia's energy availability. The quick deployment capabilities of solar technology, combined with capacity-firming systems, offer a promising path to minimizing import dependence.



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Renewables can reduce the country's reliance on expensive electricity imports, improve energy security, and lower costs for consumers, thereby fostering a more resilient and sustainable power sector. Through off-grid solutions, renewables can also help Namibia achieve universal electricity access, particularly in remote areas.



The country has set ambitious renewable hydrogen production targets of 1-2 Mt per year by 2030, rising to 5-7 Mt per year by 2040. Currently, however, Namibia lacks a domestic market for hydrogen ??? meaning that all production would initially need to be exported.



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