



# Namibia house power station

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.

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.

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.

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.

Does Namibia export electricity to South Africa?

Currently, Namibia imports most of its electricity from South Africa and other countries in the region (Passage originally stated 'imports most of its electricity from South Africa'). A special arrangement between NamPower and Eskom, the South African Power utility, enables Namibia to buy and utilise the surplus energy from SA at affordable rates.

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.

NamPower Solar Power Station (NSPS), also referred to as NamPower Rosh Pinah Solar Power Station, is a planned 100 megawatts solar power station in Namibia. The power station is under development by Namibia Power Corporation Limited (NamPower), the Namibian state-owned electric utility company.

The Van Eck power station is the only coal-fired power station in Namibia. It is a sub-critical plant and



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initially had no emission controls. In 2014, it consumed approximately 570kg of coal per MWh of electricity generated. As of 2021, it consumes approximately 650kg of coal per MWh of electricity generated.

Otjikoto Biomass Power Station (OBPS), is a 40 MW (54,000 hp) biomass-fired thermal power plant under development in Namibia. The power station is owned and under development by NamPower, the national electricity utility company.

NamPower Solar Power Station (NSPS), also referred to as NamPower Rosh Pinah Solar Power Station, is a planned 100 megawatts solar power station in Namibia. The power station is ...

The installed capacity of the power station is now 347 MW, including the recent 15 MW increase (5 MW per unit). Last year, NamPower awarded an EPC contract to add 330 kW of PV ...

NamPower has four power stations: Ruacana - Hydro - 330 MW; Van Eck - Coal - 120MW; Paratus - Diesel - 16 MW; ANIXAS - Diesel - 22 MW; Currently, Namibia imports most of its electricity from South Africa and other countries in the region.

ANIXAS Power Station 22.5 MW towards security of power supply for Namibia. NamPower has constructed a new emergency diesel power station at Walvis Bay. ANIXAS, a 22.5MW power station, is situated adjacent to the existing Paratus Power Station and will provide an emergency standby electrical capacity of 22.5 MW to Namibia.

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The following page lists all power stations in Namibia. Hydroelectric. Hydroelectric station Community Coordinates Operator Type Capacity Year completed Name of reservoir River ... ANIXAS Power Station [13] Walvisbay: NamPower: Diesel: 22.5 MW 2011 Wind. Wind farm Location Coordinates Turbine model Power per turbine

NamPower, the government-owned power utility, operates generation facilities including the Ruacana Hydroelectric Power Station (330MW capacity), the Van Eck Power Station (coal; 120 MW capacity), the Paratus Power Station (diesel; 24 MW capacity), the ANIXAS Power Station (diesel; 22.5 MW capacity); and - the Ombuvu PV Power Station (solar ...

The Omburu Solar Power Station, is a 20 megawatts solar power station in Namibia. The power station, which was developed and is owned by Namibia Power Corporation (Proprietary) Limited (NamPower), was constructed between March 2021 and June 2022 and was commercially commissioned on 24 June 2022.

Namibia derives the majority its domestic power generation from the Ruacana Hydroelectric Power Station (330 MW), followed by the coal-fired Van Eck Power Station (120 MW), diesel-powered Paratus (24 MW)



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Namibia derives the majority its domestic power generation from the Ruacana Hydroelectric Power Station (330 MW), followed by the coal-fired Van Eck Power Station (120 MW), diesel-powered Paratus (24 MW) and Anixas (22.5 MW) Power Stations, and Ombuvu Photovoltaic (PV) Power Station (20 MW).

The installed capacity of the power station is now 347 MW, including the recent 15 MW increase (5 MW per unit). Last year, NamPower awarded an EPC contract to add 330 kW of PV generation at the Ruacana site to supplement the auxiliary supply requirements of the power station.

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