

A-Core Container

Mozambique communication base station wind power comparison



Overview

How will Namaacha wind farm impact Mozambique?

The new infrastructure will transmit up to 332GWh of clean wind energy from the future 120MW Namaacha Wind Farm in the southwestern part of the country to homes and businesses across Mozambique and the wider Southern Africa region.

What is the optimal power system expansion plan for Mozambique?

The optimal power system expansion plan if wind and solar capacity are allowed to triple to reach almost 3 GW by 2032. Currently, the power system of Mozambique is separated into two transmission networks isolated from one another: the Central-Northern and Southern systems. Over 50% of the annual power demand is seen in the Southern system.

Why is Mozambique focusing on hydropower projects?

Since Mozambique has high hydro power potential, the country is focusing on developing large hydro projects that aim to be operational at the beginning of 2030's. Hydropower projects play an important role in decarbonizing the power sector in Mozambique.

How can Mozambique achieve its electrification goal?

A power mix that takes advantage of its vast energy resources in a cost-effective way and provides a solid foundation for the long-term development of its power system. The use of proven power generation technologies coupled with a well-structured and realistic data-driven plan will enable Mozambique to reach its electrification goal.

Why is Mozambique launching a low-carbon energy project?

AfDB's Vice President for Power, Energy, Climate, and Green Growth, Kevin Kariuki, said the project is a major step forward in Mozambique's transition to a low-carbon energy future. "It will deliver affordable electricity, support local

industry, and improve livelihoods," he said.

How much power does Mozambique have?

The country's biggest power plant, Cahora Bassa hydro plant, has an installed capacity of 2,075 MW. Currently, over 75% of the electricity generated from the hydropower plant is exported to South Africa. The remaining capacity, around 1,300 MW, is utilised to meet local electricity demand in Mozambique.

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