

Mozambique solar container communication station inverter solar power generation parameters





Overview

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.

How much electricity does Mozambique have in 2021?

Despite this huge generation potential only 38.6%¹⁾ of its population had access to electricity in 2021. The total installed power capacity in Mozambique stood at around 2,800 MW in the year 2021 whereas the peak demand reported by the state-owned energy utility Electricidade de Moçambique (EDM) was at 1,035 MW.

Why is technology modularity important in Mozambique?

Technology modularity also plays a key role. Mozambique requires between 100 MW and 500 MW of new generation annually to be built across the country to be able to meet the increasing demand. On a regional level, this represents 60 to 80 MW of new power generation.

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.



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