

# **Mozambique household energy storage power supply production**





## Overview

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Why is Mozambique a major energy exporter?

Mozambique is a net exporter of energy to countries in the Southern African Power Pool (SAPP) – South Africa being the largest importer. The government view energy exports as a key driver of the Mozambican economy, having passed a new electricity law that simplifies permitting and encourages IPPs activities.

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%<sup>1)</sup> 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.

How much energy does Mozambique have?

Mozambique has considerable energy resources with an estimated hydropower potential of 12,000 MW and also gas reserves (estimated at reaching 700 billion cubic metres) and vast coal reserves (estimated to reach 140 million Tj) with the potential of generating approx. 500 MW and 5,000 MW respectively.



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[Wärtsilä Mozambique white paper 2022](#)

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