

# Mozambique inlyte energy





## Overview

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Mozambique has abundant energy sources available for exploitation. As of 2021, the country was ranked first in energy potential of all the countries in the Southern African Power Pool (SAPP), with an estimated energy capacity of 187,000 MW. Available energy sources include coal, hydroelectricity, natural gas.

In 2018, with an "average operating generation capacity of 2,279 MW", the country had an electricity consumption of 415 kWh per person, per year, about 50 kWh higher than the then prevailing average for Sub.

Mozambique has a potential solar energy yield estimated between 1,785 and 2,206 kWh/m<sup>2</sup>/year, resulting in a solar energy potential of 23,000GWh/year. In August 2019, the first grid-ready solar power station, the 40 megawatts .

Mozambique has proven reserves in excess of 180 trillion cubic feet. In the north of the country, AREA1 is under concession to . AREA4 is concessioned to and . In , processes.

As of 2019, Mozambique had 2,185 MW of installed hydroelectric generation capacity, accounting for 92 percent of total national installed capacity of 2,375 MW. The 2,075 megawatts (CBHPS) across the .

In September 2020, EleQtra, an American IPP, began construction of the 120 megawatts , in , the first grid-ready wind farm in Mozambique. Completion is anticipated in 2023. .

- • .
- As of 2020.



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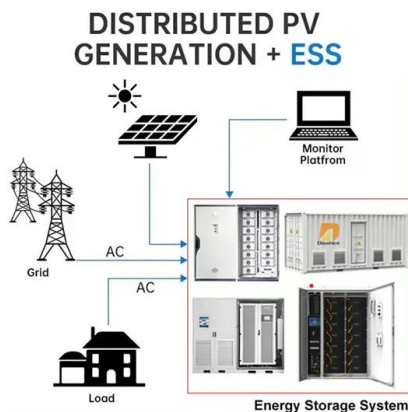
### Delivering Mozambique's Sustainable Energy Future

Mozambique's energy transition is based on four strategic pillars including: 1. Expanding clean energy expansion capacity through wind, hydroelectric projects and solar power plants to offset fossil fuels predominance; 2. Capitalising on green industrialisation through integrated projects around industrial corridors such as the Nacala



### Energy in Mozambique

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### ENERGY PROFILE Mozambique

developing areas. Energy self-sufficiency has been defined as total primary energy production



divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of ...



### Mozambique at the heart of international energy demand

Why is Mozambique attractive to oil and gas investors, and what opportunities does the country present to them? The determination and willingness of the Mozambican government to establish Mozambique as a regional energy hub due to its abundant resources and substantial gas discoveries make the country very attractive for investment.

### Innovating Mozambique's Energy System Through Technical ...

Mozambique has the largest power generation potential of all Southern African countries, with the capacity to generate 187 GW of power from coal, hydro, gas, solar, wind, ...



### Mozambique: The making of an African clean energy powerhouse

Mozambique recently unveiled a game-changing energy transition strategy that is paving the way for heightened investment inflows and universal access to energy across the ...



### Deloitte Energy Outlook: Mozambique Could Be Worth 20% of

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Consulting firm Deloitte believes that Mozambique will be the future energy hub of southern Africa, considering that the country's vast gas reserves could make it one of the world's top ten producers, responsible for 20 per cent of Africa's production by 2040.



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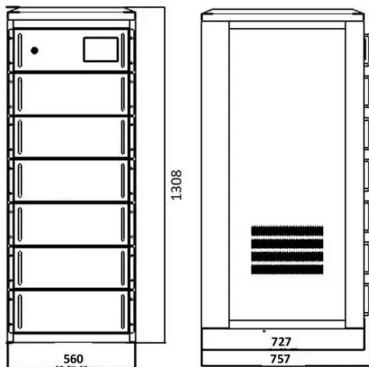
### Mozambique

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### GRADE A BATTERY

LiFePO4 battery will not burn when overcharged, over discharged, overcurrent or short circuited and can withstand high temperatures without decomposition.



## Mozambique: The making of an African clean energy powerhouse

Mozambique recently unveiled a game-changing energy transition strategy that is paving the way for heightened investment inflows and universal access to energy across the country. By 2030, Mozambique aims to achieve universal electrification through on-grid and off-grid solutions while dramatically increasing its installed capacity through

## Energy Transition in Mozambique at a Critical Juncture

Mozambique is at a crucial point in its energy trajectory, with a wealth of resources including hydro, solar, wind, coal and natural gas. Notable initiatives include the Mphanda Nkuwa hydroelectric project and the Cahora Bassa dam, both recognised as potential sources of economic electricity not only for Mozambique, but also for the region.



## Innovating Mozambique's Energy System Through Technical ...

Mozambique has the largest power generation potential of all Southern African countries, with the capacity to generate 187 GW of power from coal, hydro, gas, solar, wind, and other



renewable sources, according to Deloitte's Africa Energy Outlook Report 2024.

## ENERGY PROFILE Mozambique

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



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