

## PDEOZE PowerContainer

# Is solar power generation necessary for home use in Comoros



## Overview

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Should Comoros invest in solar energy?

The Comoros has significant potential for the development of photovoltaic energy (\*\*should they invest in it\*) given its economic situation. Recently, a French company signed a contract with SONELEC to purchase electricity from solar energy for 26 years.

What is the cost of electricity in the Comoros?

The cost of electricity in the Comoros is 298 USD/MWh for the consumer, despite the high production cost of approximately 595 USD/MWh. The population is ready to pay for access to electricity.

Should Comoros abandon its monolithic energy governance?

Comoros, like many small islands, should consider changing its monolithic energy governance due to its structural heaviness. The territory needs to adapt quickly to face the challenges of transition. Comoros's energy vulnerability is threefold.

Why are the Comoros focusing on energy security & sustainability?

Driven by global concerns, the islands throughout the Indian Ocean are becoming increasingly interested in energy security and sustainability issues. The Comoros, similar to Madagascar, Mauritius, and Reunion, has very recently focused their efforts on the transition to RES throughout its territory.

Is the Comoros a fossil fuel-dependent energy situation?

The Comoros's electricity situation is evaluated to have a fossil fuel-dependent status with a GWP of 0.930 kg CO<sub>2</sub> eq / kWh. This result creates a more vulnerable energy position for the Comoros in the near future.

What is the energy vulnerability of Comoros?

Comoros faces energy vulnerability for three reasons. The first issue is the high cost (0.24€/kWh) of carbon-based electricity, which is attributed to a poorly performing distribution network. This leads to more than 40% losses, making it the highest cost in the area.

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First, reliance on imported fossil fuels for power production. In 2018, electricity generation

in the Comoros consisted of small-scale diesel generators adding up to a total installed capacity of ...

Why Comoros Is the Hidden Gem of Solar Energy in the Indian Ocean an archipelago nation where sunlight bathes the islands for 2,800 hours annually - that's Comoros, Africa's perfume ...

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