

# Djibouti Energy Storage Equipment





## Overview

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What is the energy potential of Djibouti?

Renewable energy potential a) Solar energy • The level of sunshine at Djibouti is very high. • It remains high throughout the country (5-6.5 kWh/m<sup>2</sup>). b) Wind energy • Several sites with strong winds throughout the year, with a potential of 4,000 hours.

How can Djibouti improve electricity cost and access?

To reduce electricity costs and expand access in Djibouti, important measures include regulatory reform; increasing generation capacity, especially considering renewables; regional integration of the Djiboutian transmission grid; and expansion of transmission and distribution of electricity.

What is the current state of electricity in Djibouti?

Electricity sector: Current state □ Djibouti's electricity supply is based on : □ Thermal generation (diesel and heavy fuel oil): 20-40%. □ Hydroelectric imports from Ethiopia (since 2011): 60-80%. o The country's current energy production is 220 MW, broken down as follows □ Public generation of 120 MW by EdD.

What is the climate like in Djibouti?

- The level of sunshine at Djibouti is very high. • It remains high throughout the country (5-6.5 kWh/m<sup>2</sup>).
- b) Wind energy • Several sites with strong winds throughout the year, with a potential of 4,000 hours. • The average speed measured is greater than 5 metres per second (m / s).



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