

# What is Sudan s new energy storage





## Overview

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Can Sudan maximize its energy resources?

The analysis reveals promising indicators of Sudan's ability to maximize its solar, wind, and geothermal energy resources. It also presents conclusions and recommendations concerning the future of RE policies and production in Sudan.

Can solar energy be used in Sudan?

Research and projects on solar energy in Sudan have primarily concentrated on solar PV systems, with relatively limited focus on solar thermal energy. Nevertheless, there are some studies that have explored power generation using CSP technologies.

What is the energy supply in Sudan?

The energy supply in Sudan is primarily derived from crude oil, hydroelectricity, biomass, and renewable energy sources such as wind, solar, and geothermal energy. As illustrated in Figure 2a, biomass is the largest contributor, accounting for 52% of Sudan's total energy consumption.

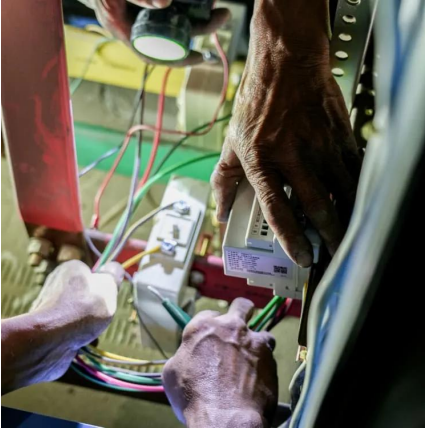
Is biomass a viable source of energy in Sudan?

Biomass—primarily derived from corn and sugarcane—serves as another critical energy source, poised to play a significant role in Sudan's energy mix. Furthermore, nearly half of Sudan's land area holds strong potential for wind energy development, positioning it as a viable contributor to future energy infrastructure.



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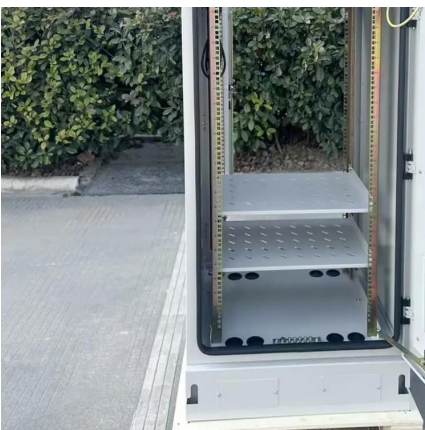
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