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Sudan Desert solar Panel Power Generation



Overview

Sudan - Solar (PV) Powered Pumping System (Desert-to-Power Initiative) - IPR July 2025.

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Sudan is a sunbelt country that has abundant solar resources and large wasteland areas, especially in the northern and western portions. Concentrating solar power (CSP) technologies are proven renewable energy (RE) systems to generate electricity in neighboring countries from solar radiation and.

International Renewable Energy Agency (IRENA)², most of the electricity generated in Sudan comes from renewable sources (67%), such as hydropower. This high penetration rate in renewable energy was partially triggered by South Sudan's independence in 2011, which conditioned the share of fossil (300 MW) power.

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