

## Kongres Container

# South Sudan Solar Panel Zhongshi Standard



## Overview

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Does South Sudan have solar power?

South Sudan is endowed with high solar PV potential boasting more than 10 hours of daily sunshine – approximately solar radiation of 5.5 – 6.0 Kwh/m<sup>2</sup> /day year-round.

Does South Sudan have a country Factsheet?

Specifically for South Sudan, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

Can geothermal power be generated in South Sudan?

Hitherto, no significant research has been conducted to ascertain the actual potential of geothermal power generation in South Sudan. However, several rift basin features with uplifts and faulted blocks especially in the Equatoria region, offer geological conditions potentially conducive to accessing higher heat flux at reasonable wells depths.

What is the hydroelectric potential of South Sudan?

The hydroelectric potential of South Sudan is well over 2,105 MW with Fulla-falls-890 MW, Shukoli-235 MW, Lekki-410 MW, Bedden-570MW and Juba barrage-120 MW. However, more studies are needed to quantify the actual potential of mini-hydro sites stochastically distributed across the country especially in the greater Equatoria region.

Does South Sudan have wind power?

Besides, the country is rich in forest and other woody biomass covering over 70 million hectares of land surface. The actual wind power generation potential in South Sudan is not yet thoroughly studied. However, some preliminary studies show a very low wind speed of about 2.5m/s in most parts

of the country.

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