

## **PDEOZE PowerContainer**

# **Sudan power generation equipment container**



## Overview

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Where is hydroelectricity generated in Sudan?

Hydroelectricity in Sudan is generated from a number of large-scale hydropower plants in the south (Roseires and Sennar), the north (Merowe), and the Upper Atbara and Seteit rivers in the east (Rumela and Burdana). The Rumela and Burdana dams were brought on line in 2018, providing an additional 320 megawatts (MW) of power generation capacity.<sup>14</sup>

How many people in Sudan have access to electricity in 2021?

Although power generation has continued to grow in the post-independence era, only about 62% of Sudan's population had access to electricity in 2021, according to the latest estimates from the World Bank. However, urban populations have substantially more access (84%) than rural populations (49%).

Does Sudan use coal?

- Neither Sudan nor South Sudan produces or consumes any coal. Total installed generation capacity in Sudan was 4.5 gigawatts (GW) in 2021. About half of the capacity was from fossil fuel sources, about 43% from hydroelectricity, and the remainder (57%) from renewable energy sources such as solar and biomass.

Is South Sudan's 308km power line back on track?

"Uganda, South Sudan 308km power line back on track," The East African, June 28, 2023. 20 U.S. Energy Information Administration, "World Oil Transit Chokepoints," July 25, 2017. Lejla Villar, Mason Hamilton, "Three Important Oil Trade Chokepoints are Located around the Arabian Peninsula," Today in Energy, August 4, 2017.

Why does South Sudan have a low electricity rate?

South Sudan has one of the lowest electrification rates in the world; only 8%

of its population had access to electricity in 2021, according to the latest estimates from the World Bank. Those connected to the power network experience frequent blackouts or forced load shedding, which makes standby generators necessary to meet electricity needs.<sup>18</sup>

Will South Sudan sign a power trade deal?

“Uganda, South Sudan Sign Power Trade Deal,” Energy Capital & Power, June 30, 2023. “Uganda, South Sudan 308km power line back on track,” The East African, June 28, 2023. 20 U.S. Energy Information Administration, “World Oil Transit Chokepoints,” July 25, 2017. Lejla Villar, Mason

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