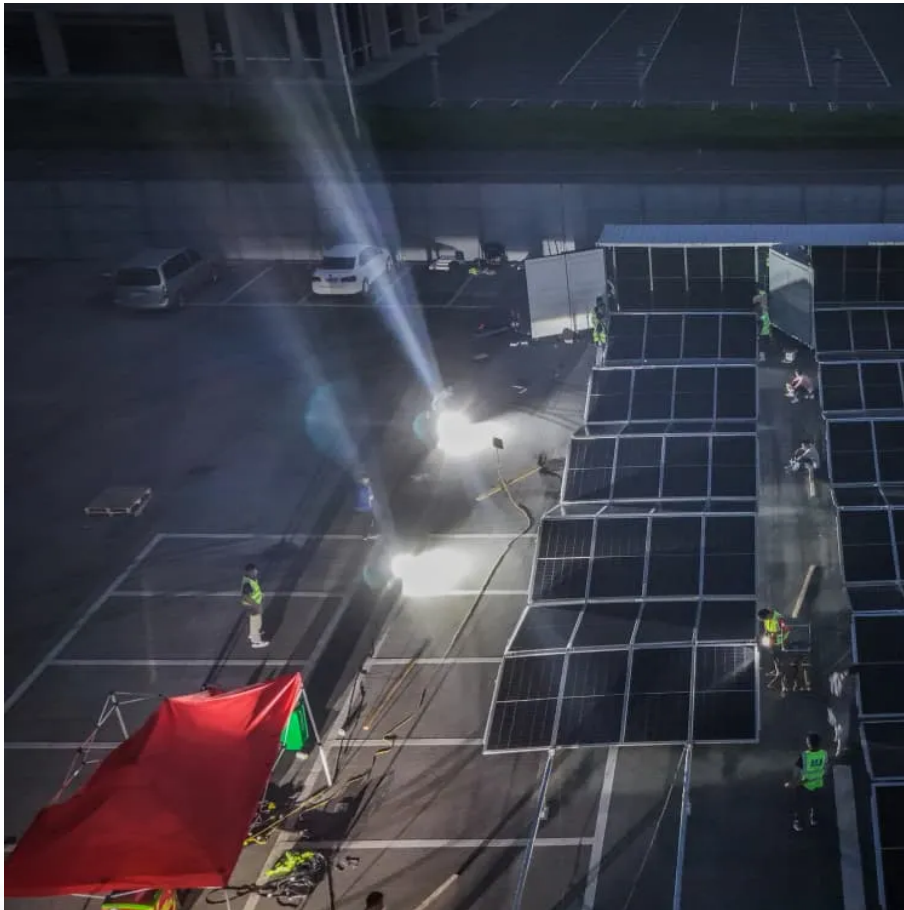


Kongres Container

South Sudan base station power load



Overview

What is the grid-based electricity situation in South Sudan?

At present, the grid-based electricity situation in South Sudan is characterized by routine power outages and lack of efficiency in the distribution system . In fact, in 2020, 580 GWh or nearly 100 % of electricity was produced from oil and gas, and just 1 GWh from renewable sources .

How many South Sudanese have access to electricity?

According to the study, only 5.4% of the South Sudanese population have access to electricity, slightly higher than the access rate of 4.2% reported in 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.¹⁸.

Is biomass a source of electricity in South Sudan?

Traditional biomass - the burning of charcoal, crop waste, and other organic matter - is not included. This can be an important source in lower-income settings. South Sudan: How much of the country's electricity comes from nuclear power?

Nuclear power - alongside renewables - is a low-carbon source of electricity.

Does South Sudan have a real energy infrastructure?

The situation in South Sudan, the world's newest country, is unique. It does not have any real existing energy infrastructure.

What is South Sudan's role as a power utility?

Its role as a power utility is expected to intensify as programmes to increase electricity access in South Sudan are implemented. It is proposed under the Electricity Bill 2015 as the regulatory entity for the electricity sector in South Sudan. It would function as the energy regulator whose functions would include the creation of regulations.

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