

What is power in Sudan?

Power in Sudan Sudan is a country with immense renewable energy potential,possessing a high hydropowerpotential based totally on its location on the river Nile and other watersheds,a high wind speed mainly in its northern and western region,and high solar radiation throughout the country.

Will Sudan face an energy problem in the future?

In December 2014,the United Nations Development Programme (UNDP) warned that Sudan could face an energy problem in the future,if it does not set up alternative power solutions,mainly because of the rapid growth in energy demand .

Does Sudan have a problem with electricity supply?

Sudan is currently facing a major problemwith electricity supply. According to the report " Tracking SDG 7: The Energy Progress Report (2021) ",only 54% of the population in Sudan have access to electricity; this indicates more than 20 million people aren't connected to the national electricity grid .

Is Sudan a good place to use solar energy?

The location of Sudan as part of sub-Saharan Africa enriches the solar potential. The average temperature ranges from 28 to 39°C. The average solar insolation is 6.1 kWh/m²/day,indicating a high potential for solar energy use. The Northern State has been considered as one of the best parts of Sudan for exploiting solar energy.

Which sector consumes the most electricity in Sudan?

The largest electricity consumer in Sudan is the domestic sector,approximately 57%,and all different sectors consume less than 20% each.

Does Sudan have a low electricity access rate?

Even though the energy access rate is low; Sudan is making progress in electrification with annual growth over more than 3 percentage points after 2010; more than 70% of Sudan's population was lacking access to electricity at that time . Table 1 below represents statistical facts about Sudan's electricity access rate from (2000 - 2019).

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By: Akmal Alsagh, Blog Editor at Clean Energy 4 Africa (CE4A), Sudan. Energy is an important factor for development. It contributes to fulfilling the most basic and essential ...

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PV system can be suitable for electricity generation when its service life is longer (30 years for a solar panel and 10 years for a battery). The study showed that in Sudan-PV ...

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