



# Sudan team solar energy

How much solar power does Sudan have?

Most of Sudan's electricity generation comes from around 3.2 GW of hydropower. According to the latest statistics from the International Renewable Energy Agency, Sudan had only 19 MW of installed solar power at the end of 2019. The Sudanese government is aiming to install 500 MW of solar and 300 MW of wind by the end of the year.

Is solar energy making a comeback in Sudan?

Fortunately, the country is now witnessing a comeback to solar energy as it is an effective tool to drive development, employment, and stability - particularly in rural and agriculture-focused communities. In Sudan, access to energy is a critical tool, and solar is an effective way to achieve this.

How can Sudan achieve energy self-sufficiency?

Encouraging solar and wind power in the country's energy portfolio could help Sudan achieve its goal of energy self-sufficiency. Egyptian policies such as nurturing and promoting renewable technologies and scientific research, feed-in tariffs, and tax exemptions could help Sudan achieve its objectives.

What should Sudan's government do about solar energy?

Mr. Afanasiev advised the Sudan's government to continue its current direction of expansion of renewable energy solutions and continue efforts to make solar technology as accessible as possible. The cost should be reduced by tax and duty exemptions.

Is solar a viable alternative to fossil fuels in Sudan?

In Sudan, access to energy is a critical tool, and solar is an effective way to achieve this. First, it is an alternative to fossil fuels, so importation and transport challenges are avoided, environmental benefits provided, and ongoing fuel costs eliminated.

How much does electricity cost in Sudan?

As for Ethiopia, Sudan imports electricity at a price of 4.5 cents/kilowatt. In August 2021, the Minister of Energy and Petroleum declared that the Sudanese energy sector needed urgent maintenance and restructuring at a cost of \$3 billion, another indicator of the dire financial needs of the sector.

Terra Energy's report emphasizes the need for an integrated approach in planning and executing future utility-scale solar projects in Sudan. The study recommends conducting technical studies in advance and closely engaging relevant stakeholders to ensure a seamless handover and commissioning process.

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development of the solar energy sector. This guide includes the following

- o An introduction to solar energy and its role in achieving sustainable development
- o An overview of the status of the solar energy market in Sudan.
- o Description of components of solar energy systems.
- o Overview of solar applications suitable for Sudanese

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The Solar Transformation Programme concept, developed in partnership with UNDP's Climate Investment Platform team, aims to scale-up financing for solar energy solutions to increase energy access in rural areas and reduce demand for heavily subsidized fossil

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This opening article Spots a green light on the applications of solar energy and the role that solar energy can play to enhance the economic development in Sudan. The empirical data...

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