

## **Sudan Power Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)**

Market Report | 2023-01-23 | 95 pages | Mordor Intelligence

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### **Report description:**

The Sudan power market is expected to register a CAGR of more than 2.7% during the forecast period, 2022-2027. The COVID-19 pandemic has shown a negative impact on the Sudanese power market. The country has seen a drop in electricity demand due to the imposed lockdown restrictions, leading to lower electricity requirements in various commercial and industrial places. The Sudan government is actively promoting the power sector by increasing electricity access in all parts of the country. Therefore, the demand for grid-connected electricity has been significantly increasing in recent times and is expected to drive the market during the forecast period. However, the lack of power transmission infrastructure and unreliable electricity supply continued to limit private sector developers' investments, hindering the growth of the Sudan power market.

### **Key Highlights**

Due to the highest installation capacity, the hydropower segment held a significant market share in 2021 and is likely to see considerable market growth during the forecast period.

Sudan has announced to build four nuclear power plants by 2030 to fill its energy gap. This is likely to create several opportunities in the Sudan power market soon.

The increasing renewable energy installations to meet energy requirements is likely to drive the Sudan power market during the forecast period.

### **Sudan Power Market Trends**

#### **Hydro Power Generating Source to Dominate the Market**

Sudan is rich in terms of hydroelectric resources. The current level of installed hydropower capacity is positive. In 2020, more than 60% of the electricity generated in Sudan was from hydropower.

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The country has 70% of its hydropower plants located on the river Nile. Due to the country's energy generation deficiency in peak hours in 2015, the Ministry of Water Resources and Electricity of Sudan planned to increase hydroelectricity capacity by 500 megawatts (MW) by 2020.

However, the country reached 1907 MW of hydroelectricity generation by 2020. After its partition with South Sudan, Sudan faced severe electricity deficiency, and most of the installed hydropower capacity came under South Sudan after separation.

In August 2021, the government of Sudan had announced the cancellation of two under-construction projects, i.e., Dal and Kajbar hydroelectric stations with a capacity of over 1 GW due to political issues. Moreover, the country has given the green light for Shereyk Hydro Power Station with 350 MW and can supply power to 235,000 homes. At the end of 2021, the project has started its construction and is expected to be commissioned by 2025.

Therefore, owing to the above points, a hydropower generating source is expected to dominate the Sudan power market during the forecast period.

### Increasing Renewable Energy Installations Driving the Market Demand

Sudan is witnessing increasing installations of renewable energy over the past years. The renewable sources contributing to the country's energy generation include hydro energy, biofuels, and solar energy. Since Sudan is the net importer of power, the increasing renewable energy in the country is likely to satisfy both energy demand and the use of clean energy.

In 2020, Sudan reached the total installed capacity of renewable energy to 2,125 megawatts (MW), which was higher than 1,803 megawatts (MW) installed by 2015.

Moreover, the United Nations Development Program (UNDP) and the Ministry of Water Resources, Irrigation, and Electricity initiated a project named Solar For Agriculture. This solar water pumping project aligns with UNDP's support of the Sudani government's priority to advance renewable energy in the country. The Solar for Agriculture project is a five-year-long project (2016-2021).

In recent years, bio-energy has been playing an essential role in the country's energy requirement. Biofuels had produced approximately 199 megawatt-hours (MW) of electricity by 2020. The ongoing project in New Halfa has been under construction to provide 1,200 tons per season of bagasse briquettes. Several factories have been built for the carbonization of agricultural residues, namely cotton stalks. The products are now commercialized. More than 2,000 families have been trained to produce their cooking charcoal from the cotton stalks.

Hence, owing to the above points, the increasing installation of renewable energy is expected to drive the Sudan power market during the forecast period.

### Sudan Power Market Competitor Analysis

The Sudan power market is consolidated. Some key players in this market include Sudanese Thermal Power Generating Company, Sudanese Electricity Distribution Company, Siemens Energy AG, Ram Energy, and Dal Group.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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