

Sudan Uninterruptible Power Supply Plant





Overview

Is the electricity sector in Sudan in a crisis?

Over the last few years, the electricity sector in Sudan has been in a state of crisis: 60 per cent of the Sudanese population have been living without electricity. What is the path forward to an urgent, sustainable, and feasible solution?

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How much of Sudan's electricity is derived from hydropower?

While 54.6% of the country's electricity is derived from hydropower, other renewable sources collectively contribute a mere 0.78% to the national grid. To address this disparity, collaborative efforts between public and private sectors are imperative to advance renewable energy development and utilization in Sudan.

What is the energy supply in Sudan?

The energy supply in Sudan is primarily derived from crude oil, hydroelectricity, biomass, and renewable energy sources such as wind, solar, and geothermal energy. As illustrated in Figure 2a, biomass is the largest contributor, accounting for 52% of Sudan's total energy consumption.

What challenges does Sudan face in ensuring adequate electricity supply?

The Sudanese government faces significant challenges in ensuring adequate electricity supply for its population, which is estimated to have reached 43 million. As of 2022, the total electricity generation capacity stood at 2799 MW, while the national demand was approximately 3800 MW, resulting in a shortfall of about 1000 MW.



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