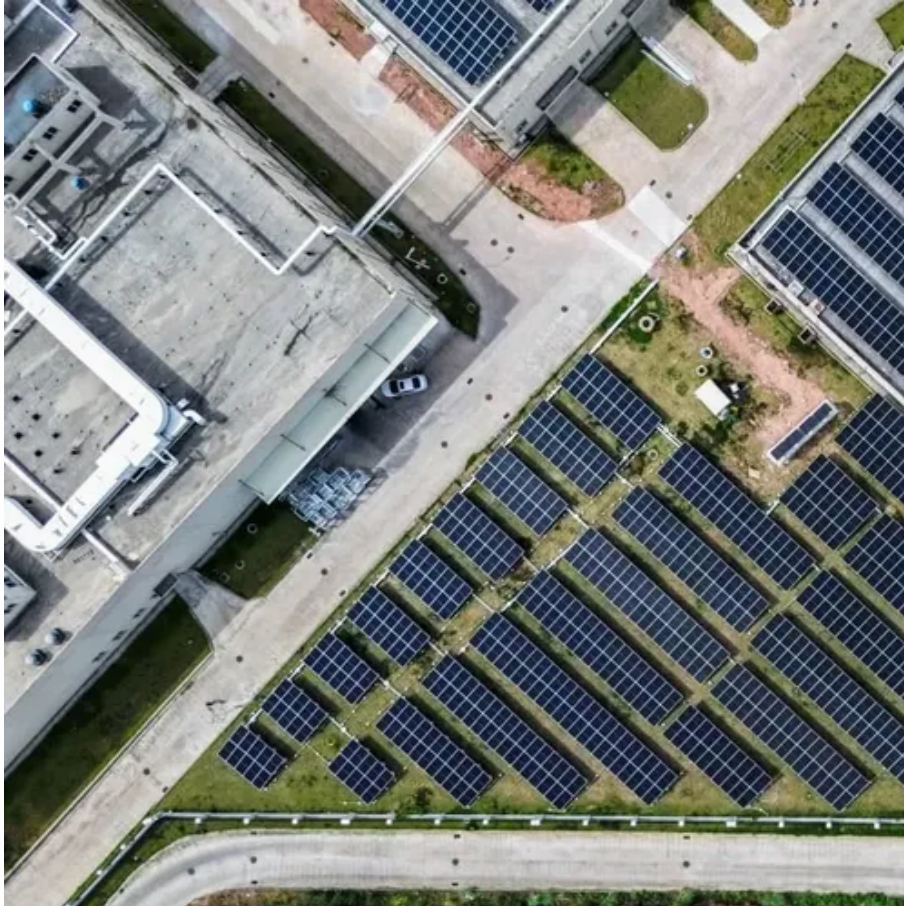




# Sudan plans to contract solar power generation





## Overview

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The government aims to boost solar capacity dramatically, with a target of 2,190 MW of grid-connected solar PV and 50 MW of solar thermal energy by 2035. The research, led by Ihab Jabbar Al-Rikabi from the Department of Building Physics at Bauhaus-University Weimar, underscores the urgent need for the country to shift from its heavy reliance on petroleum for electricity generation to a more diversified and sustainable energy mix. Currently, in a monumental partnership, Huawei is collaborating with the Sudanese government to develop a 1,000 MW solar power project. This ambitious venture includes a 500 MWh battery storage system designed to address Sudan's ongoing energy challenges and accelerate its transition to renewable energy. Solar energy, in particular, has emerged as a viable option for power generation, offering a sustainable and environmentally friendly alternative to fossil fuels. The Sudanese government has recognized the potential of solar projects to enhance energy access and reduce dependence on traditional. Following previous articles in which I discussed Sudan's national motivations for transitioning to renewable energy, including the popular demand for solar power generation, I now turn to the meaning of having a national plan for Sudan's transition to renewable energy.



## Sudan plans to contract solar power generation



### [What It Means for Sudan to Have a National Plan for a Comprehensive](#)

Following previous articles in which I discussed Sudan's national motivations for transitioning to renewable energy, including the popular demand for solar power generation, I now turn to the meaning of ...

### [Sudan contracts 500mw solar power generation](#)

Following its recent announcement to expand utility-scale solar resources to 2,025 megawatts (MW) by 2025, Salt River Project (SRP) today announced three new solar energy plants that will deliver a total of 500MW of ...

### Lithium battery parameters

Product capacity: 100Ah

Product size: 135\*197\*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



### [Sudan's Photovoltaic Market Bidding Dynamics And Buyers' Response ...](#)

Recently, Sudan's photovoltaic bidding projects have shown a diverse feature, injecting new impetus into the development of the local photovoltaic industry.



### [Sudan's Renewable Energy Potential: Opportunities and](#)

In the wake of prolonged conflict, Sudan faces a critical juncture in its energy sector. The country's renewable energy potential presents both opportunities and obstacles, shaped significantly

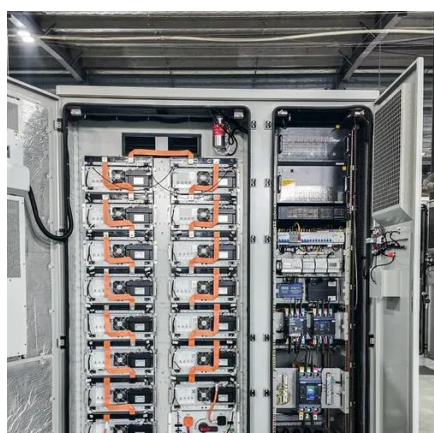


## UTILITY-SCALE SOLAR IN SUDAN

The latest Renewable Energy Master Plan (2019-2033) is targeting the development of nearly 2.5 GW from utility-scale solar and wind projects and 850 MW from distributed generation (rooftop solar, solar pumping, ...)

### [Huawei plans 1,000 MW solar power project in Sudan amid power ...](#)

July 2, 2025 (PORT SUDAN) - China's Huawei has proposed building solar power stations in Sudan with a capacity of over 1,000 megawatts (MW), the country's energy ministry announced on



### [Renewable Energy in Sudan: Current Status and Future Prospects](#)

Research and projects on solar energy in Sudan have primarily concentrated on solar PV systems, with relatively limited focus on solar thermal energy. Nevertheless, there are some studies that have explored ...

### [Huawei's 1,000 MW Solar Project to Power Sudan's Future](#)



In a monumental partnership, Huawei is collaborating with the Sudanese government to develop a 1,000 MW solar power project. This ambitious venture includes a 500 MWh battery storage system designed ...



### **Sudan's Energy Shift Opens Doors for Construction in Renewable Projects**

"Sudan is endowed with abundant resources, particularly solar energy, yet we have only scratched the surface of our potential," Al-Rikabi notes. The country's solar energy potential is immense, yet ...

### **10 Largest Solar Projects in Sudan**

Government Initiatives: The Sudanese government has announced plans for various solar projects, aiming to reach a total capacity of over 300 MW in the coming years.





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