

Solar Energy in Sudan: Crisis and Opportunity

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Sudan's Energy Crossroads: Blackouts & Solar Potential

A hospital in Khartoum routinely postpones surgeries due to rolling blackouts. Meanwhile, rural schools can't power basic computer labs despite solar radiation levels rivaling Saudi Arabia's. Sudan's paradox? It's got enough sunlight to power 10x its current energy needs yet remains shackled to unstable fossil fuels and hydropower.

Wait, no--let's correct that. The real crisis isn't just technical. Since 2023's armed conflict, oil production plummeted 57% to under 20,000 barrels/day. Result? Diesel generators guzzle \$8M monthly in imports while 43% of urban households endure 14-hour daily blackouts. You know what's worse? This chaos creates a perverse incentive--solar companies must compete with subsidized fossil fuels priced 30% below market rates.

The Data Behind the Darkness

- o Installed solar capacity (2024):

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