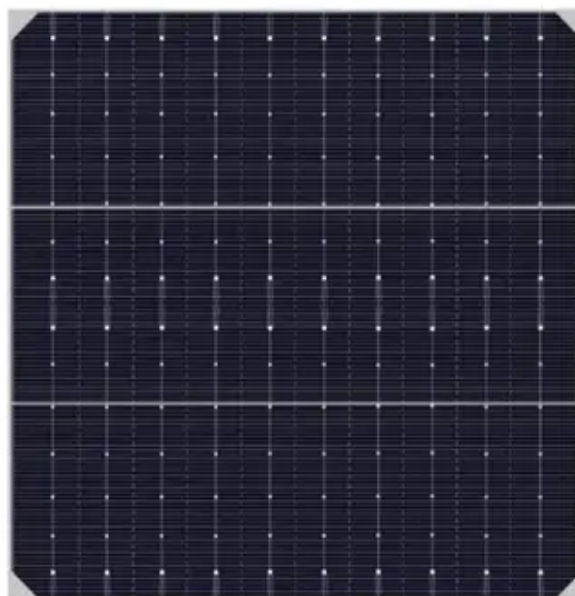




Distributed solar energy storage project in Ethiopia





Overview

Located in the eastern part of the country, Dire Dawa's ambitious initiative combines solar power generation with cutting-edge battery storage technology to stabilize local grids and reduce dependency on fossil fuels. In August 2024, we at Green Scene Energy proudly completed a transformative electrification project in Oborso East, one of five Ethiopian villages we've connected to reliable power in the past year. This article explores the benefits, challenges, and real-world applications of solar energy storage in Ethiopia's capital, with actionable insights for. According to the researches, Ethiopia is blessed with an abundance of sunlight, receiving an average of 5.5 kWh/m²/day throughout the year, This vast solar potential, coupled with declining costs of solar technology, provides a significant opportunity for the country to harness clean energy. Ethiopia is emerging as a solar energy hotspot in Africa, with photovoltaic (PV) energy storage projects playing a pivotal role in its renewable energy transition. Ethiopia and International Solar Alliance (ISA) have signed Solar Mini-Grid and Solar.



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[Ethiopia energy storage system in smart grid](#)

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Oborso East Solar Mini-grid Site

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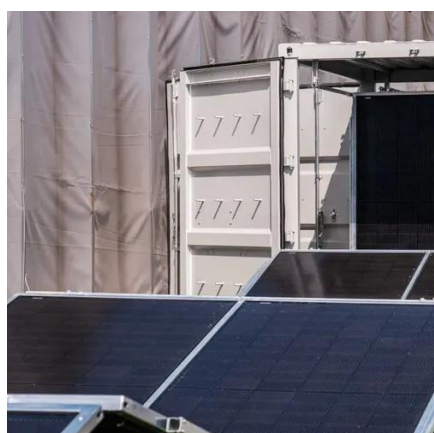


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With an abundance of solar resources, Ethiopia is uniquely positioned to leverage solar energy not only to meet domestic needs but also to become an energy hub, Sultan underscored.



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