

Does Mali need solar power?

While more than 83 per cent of Mali's population are still lacking energy access, the country has considerable potential to scale up clean energy access through solar power. Southwestern Mali alone has 53 Gigawatt of solar potential, enough to meet the whole country's power demand.

Why is Mali building a new solar power plant?

As Mali grapples with an ongoing electricity crisis that hampers economic growth, transitional President Assimi Goïta laid the foundation stone for a new 200 MW photovoltaic solar power plant. The Russian company NovaWind, a subsidiary of Rosatom, is constructing the plant, marking a significant step in the country's energy sector.

Why is Mali launching a 200 MWp solar power plant?

Loading... Mali's President Assimi Goïta has launched a 200 MWp solar power plant project with NovaWind, a Rosatom subsidiary, to address the nation's electricity crisis and promote sustainable energy. The EUR200 million investment aims to supply 10% of Mali's electricity within 12 months.

Will Mali achieve a 15% solar penetration rate by 2030?

Hamathe Mane, Principal Renewable Energy Officer at the African Development Bank, explains, "in the renewable energy sector in Mali, we currently have a penetration rate covering 3% of the demand, which is relatively low. Through this Plan, we aim to achieve a solar penetration rate of 15% by 2030.

Are solar mini-grids a viable option in southwestern Mali?

Southwestern Mali alone has 53 Gigawatt of solar potential, enough to meet the whole country's power demand. Solar mini-grids are not only a viable option for last-mile communities but are also at the heart of economic development and improved healthcare in those areas.

What does Mali's energy plan include?

Moussa Ombotimbe, Technical Advisor in charge of Energy at the Ministry of Mines, Energy, and Water of the Republic of Mali, states that the "plan includes creating solar power plants, the inclusion of transmission lines, the establishment of mini-grids, and capacity building, making it comprehensive."

"The government of Mali plans to increase the hybridization of its minigrids by adding PV capacity to diesel power plants. "Mali Solar Rural Electrification Project aims to promote rural electrification through isolated solar photovoltaic (PV) minigrid systems. 9 "50.6% population in Mali had access to electricity as of 2020. 10

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In 2020, Mali adopted the Desert to Power National Roadmap quantifying its country-level targets, identifying priority actions required to achieve the targets and singling out an initial set of priority activities. The key targets include additional solar capacity of 399 MW by 2025 and 977 MW by 2030.

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According to the International Renewable Energy Agency (IRENA), Mali boasts significant solar power potential, particularly in its northern regions, where annual sunshine hours exceed 3,000 hours. This abundant

sunlight provides a strong natural foundation for the implementation of solar energy projects. Despite this vast potential, Mali's renewable energy market is still in its early ...

A recent report by IRENA provides insights into Mali's potential for large-scale solar photovoltaic (PV) and onshore wind projects. The analysis identifies zones in Mali that ...

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Mali has a strong foundation for renewable energy, particularly solar power, due to its high solar irradiation levels of 5-7 kWh/m²/day across the territory, making it an attractive location for solar thermal plant projects.

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