

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.

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.

Does Mali have a rural electrification strategy?

Mali's current rural electrification strategy relies on decentralised diesel-powered mini-grids. However, there is an increased effort to decarbonise them.

Are solar mini-grids a sustainable solution?

While avoiding 5000 tCO₂e per year, the solar mini-grids also compliment the Malian government's objective to combat poverty through sustainable development. Decentralised renewable solutions have been central in efforts to increase energy access while decarbonising the energy sector in rural areas.

Are solar water pumps a good idea for rural Mali?

Solar water pumps are reducing a sizeable burden for the women of rural Mali. Through improved access to water that requires much less labour, those who make their living from farming and gardening like Niagalen are now able to increase their crop yield and generate better income. "Thanks to the abundance of water, we produce more and earn more."

Are solar mini-grids a viable option for last-mile communities?

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. With longer supply of electricity from the solar mini-grid, a pharmacist in Bancoumana has been able to increase her profitability as she can now sell medicines that require cold storage.

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In Mali, 75% of people living in rural areas do not have access to electricity. Foundation Rural Energy Services (FRES) provides villages with electricity via solar-powered mini-grids. Mini-grids offer multiple

opportunities ...

A decentralised solar mini-grid is a small-scale electrical grid that is separate from the national grid, is powered by solar energy using photovoltaic panels, and meets local needs. In Mali, mini-grids produce electricity, which is then stored in batteries by the population. In particular, the electricity powers water pumps that help

CEI Africa will award a results-based financing grant for up to \$1,886,700 to WeLight to densify and construct mini-grids in rural communities in Mali. The grant will support the densification of five mini-grids and the construction of nine mini-grids.

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The aim is to electrify several rural communities in Mali using solar mini-grids. After the Democratic Republic of Congo (DRC) a few weeks ago, it's Mali's turn to benefit from funding from the Foundation for Clean Energy and Energy Inclusion in Africa (CEI Africa).

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The Foundation for Clean Energy and Energy Inclusion in Africa (CEI Africa) has awarded a grant of 1.8 million dollars to WeLight. The aim is to electrify several rural communities in Mali using solar mini-grids.

To address the problem of access to electricity, the Malian government has put in place a rural electrification strategy based on decentralised mini-grids, with the support of mechanisms such as the IRENA/ADFD Project Facility. The ...



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