



# Foreign solar power grid access

Are solar mini grids a solution to the energy access gap?

"Now more than ever, solar mini grids are a core solution for closing the energy access gap," said Riccardo Puliti, Infrastructure Vice President at the World Bank. "The World Bank has been scaling up its support to mini grids as part of helping countries develop comprehensive electrification programs."

Is off-grid solar the most cost-effective way to power 41% of people?

Nairobi, 8 October 2024-- Off-grid solar is the most cost-effective way to power 41% of people globally by 2030 who are still living without energy access. The sector already provided 55% of the new connections in sub-Saharan Africa between 2020 to 2022 - where over 80% of the unelectrified population lives.

Which countries use solar PV mini-grids?

Solar PV mini-grids are the preferred technology for providing electricity access across Africa and Asia. The global installed capacity of solar mini-grids totalled 365 MW in 2019. The graph below shows the region-wise trend of total installed capacity of mini-grids in ISA Member countries,

How many solar mini grids are there in a country?

The deployment of solar mini grids has seen an important acceleration, from around 50 per country per year in 2018 to more than 150 per country per year today, particularly in countries with the lowest rates of access to electricity.

How does the World Bank support mini grids?

"The World Bank has been scaling up its support to mini grids as part of helping countries develop comprehensive electrification programs. With \$1.4 billion across 30 countries, our commitments to mini grids represent about one-quarter of total investment in mini grids by the public and private sector in our client countries."

Can Malaysia export surplus solar energy to the grid?

Malaysia introduced a new programme that allows residential customers to export surplus solar generation to the grid. At a global level, approximately 17 countries introduced new financial or fiscal policies in 2021, including Denmark, France, Italy, Australia and New Zealand.

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