



Reliable solar systems Timor-Leste

Is there a market for roof-top solar energy systems in Timor-Leste?

Australia's Market Development Facility (MDF) and ITP Renewables conducted an assessment of the potential market for roof-top solar energy systems in Timor-Leste.

Is Timor-Leste a good country for solar energy?

Timor-Leste has a high-quality solar resource. The global horizontal irradiance in Dili is higher than on the east coast of Australia, where the solar market is mature and installation costs are higher. The cost of electricity in Timor-Leste for commercial and industrial consumers is high compared to ASEAN countries.

Does Timor-Leste have access to energy?

Access to energy remains a concerning challenge for many in Timor-Leste. The centralised nature of the local electricity supply chain has traditionally kept consumers reliant on the national grid to overcome chronic energy shortages.

Could Timor-Leste be a cost-efficient alternative energy solution?

The Operations Management Team started weighing the feasibility and working on a cost-efficient alternative energy solution in 2016-2017 when Timor-Leste was facing high electricity costs and increased CO2 emissions. "In Timor-Leste, our road to the 2030 Agenda for Sustainable Development starts at home.

What does a solar technician do in Timor-Leste?

Technicians in Timor-Leste have experience in small-scale, off-grid solar energy systems. Commercial or industrial scale installations are more complex and appropriate technical capacity is scarce.

How long does a solar system last in Timor-Leste?

High electricity costs and readily available solar radiation mean that the average payback period for a rooftop photovoltaic (PV) solar energy system in Timor-Leste is only 1.5 to 3 years instead of the global average of 6-10 years. Transitioning to solar can also help the country meet environmental commitments.

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climate and abundant solar-power potential, Timor-Leste relies heavily on diesel to deliver power to its population of 1.3 million people. In 2023, MDF and the Australia-Pacific Climate Partnership (APCP) assessed the market for rooftop solar solutions in Timor-Leste, to understand the barriers,

Energy-efficient solar systems in the UN Compound in Timor-Leste are helping cut down costs and reduce CO2 emissions. Credit: UN Opinion by Ahmed Saleem (dili, timor-leste)



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The Light up Timor through Enterprise project is empowering a local social enterprise in Timor Leste to pilot 260 Pay-As-You-Go (PAYGO) solar energy household installations in the remote, rural community of Baguia in the Baucau District. This project is being driven by the local community who has requested assistance in receiving affordable ...

Solar-powered UN House lights the way for a greener and more efficient Timor-Leste 12 January 2023
Caption: Energy-efficient solar systems in the UN Compound in Timor-Leste are helping...

In Timor-Leste, reliable access to renewable energy touches all parts of their daily life. Having solar energy means having better healthcare, better education, and it literally powers entrepreneurship and production activities in communities. | Tue, 10/10/2023

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Explore solar project in East Timor (Timor-Leste), delivering sustainable and reliable energy solutions. Learn about our commitment to renewable energy and how we're helping communities thrive with clean power.

Gokoval is a startup renewable energy Timor Leste solar cell, dedicated to ensuring uninterrupted electrical power during grid outages. Our innovative solutions empower communities with sustainable energy alternatives, enhancing reliability and ...

The new solar energy project, titled "Solar for All," is a key component of UNDP's broader efforts to promote renewable energy in Timor-Leste. The initiative will focus on installing solar power systems in remote villages, providing clean and reliable electricity to households, schools, and health centers.

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