

# Timor-Leste Energy Storage Power Supply Quote





## Overview

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Why should Timor-Leste invest in solar & storage infrastructure?

José added: “The investment in Timor-Leste’s solar and storage infrastructure is transformative. It will help reduce dependence on fossil fuels while improving grid stability and energy access across the country”. José de Ponte was supported by special counsel Marnie Calli, senior associate Lisa Huynh and solicitor Jeraldine Mow.

Why is solar energy maintenance important in Timor-Leste?

Maintenance tends to be limited to repairing malfunctioning system components, instead of preventative care or servicing, which can reduce the effectiveness of solar energy systems and increase costs. Technicians in Timor-Leste have experience in small-scale, off-grid solar energy systems.

Does Timor-Leste have solar power?

The country receives an average of 18-24 MJ/m<sup>2</sup> of solar radiation per day, comparable to Australia's high solar potential. As of 2019, 1,228 solar energy units had been installed for family households in remote areas. Timor-Leste has significant potential for photovoltaic power.

What is the Timor-Leste solar power project?

The Project involves the construction and 25-year operation of a new power plant in Manatuto, Timor-Leste, comprising a 72 MW solar power plant co-located with a 36 MW/36 MWh battery energy storage system. This will be the country’s first full-scale renewable energy IPP project.

What is energy security in Timor-Leste?

1 Energy security is “uninterrupted availability of energy sources at an affordable price”; International Energy Agency. The average payback period for a rooftop PV solar energy system in Timor-Leste is 2.5 years. This is much lower than the global average of 6 to 10 years, due to solar resource and



electricity costs:.

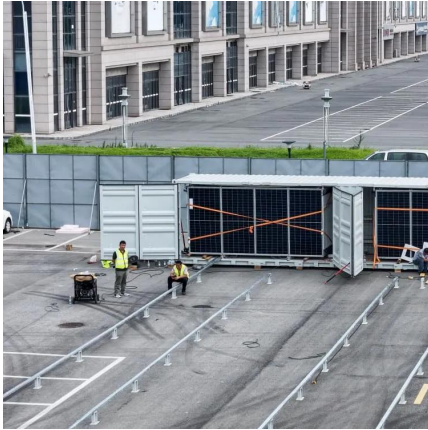
How long does a solar system last in Timor-Leste?

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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### [Timor-Leste micro grid energy storage](#)

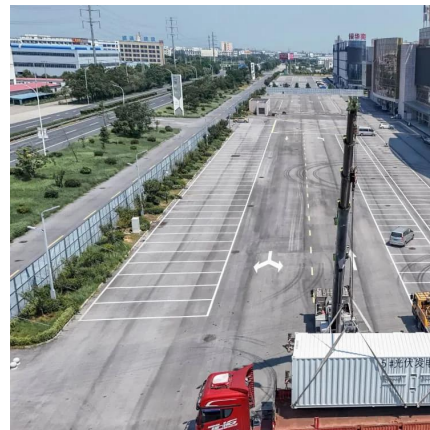
High electricity costs and readily available solar radiation mean that the average payback period for a rooftop photovoltaic (PV) solar energy system in Timor-Leste is only 1.5 to 3 years instead ...

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### [Timor-Leste energy storage infrastructure](#)

"In Timor-Leste, most people live in rural areas and rely on diesel for electricity, with access often cut-off due to natural disasters, low infrastructure quality and material aging.

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### **Signing of Power Purchase Agreement (PPA) for Solar and ...**

Through this Project, the share of renewable energy in the country's electricity supply will markedly increase, and the installation of



batteries will help stabilize the ...

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[Timor-Leste energy storage electricity price](#)

Battery energy storage system price trend in Timor-Leste Battery energy storage system price trend in Timor-Leste Small-scale lithium-ion residential battery systems in the German market ...

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### Battery energy storage system price trend in Timor-Leste

The global battery energy storage system market was valued at more than US\$12 Bn in 2021; The largest battery energy storage system company globally is Tesla Inc. Lithium-ion batteries

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[Timor-leste energy storage battery contract](#)

Electricidade de Timor-Leste Empresa P&#250;blica (EDTL, E.P.), Timor-Leste's State-Owned Company in Electricity and Energy Sector, is seeking to award a power purchase agreement ...

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## East Timor energy storage and electricity sales business

The Future of Energy Storage: Battery Energy Storage Systems The Vertiv(TM) DynaFlex BESS uses UL9540A lithium-ion batteries to provide utility-scale energy storage for mission-critical ...

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## DLA Piper advises Eletricidade de Timor-Leste on a power ...

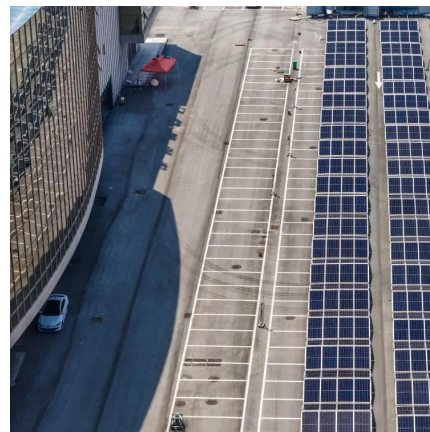
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## [Timor-Leste residential battery storage cost per kwh](#)

We develop an algorithm for stand-alone residential BESS cost as a function of power and energy storage capacity using the NREL bottom-up residential BESS cost model (Ramasamy et al., ...

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## Lessons learned from development of the SDG 7 Roadmap ...

Power generation in the SDG scenario Timor-Leste plans to implement 72 MW solar and 50 MW wind by 2024 and 2026 respectively. This will increase RE share in power generation from ...

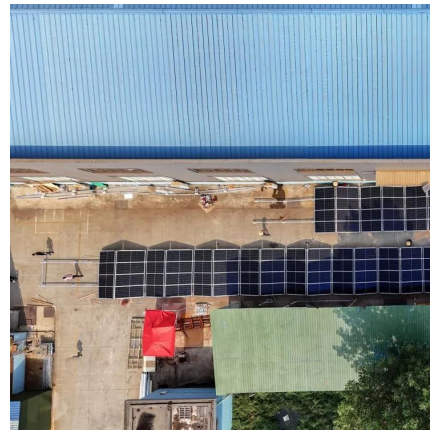
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### [Local energy storage power supply service in East Timor](#)

This service optimises both performance as well as maintenance planning procedures and ensures the security of Timor-Leste's power supply by providing a holistic view of the plants" ...

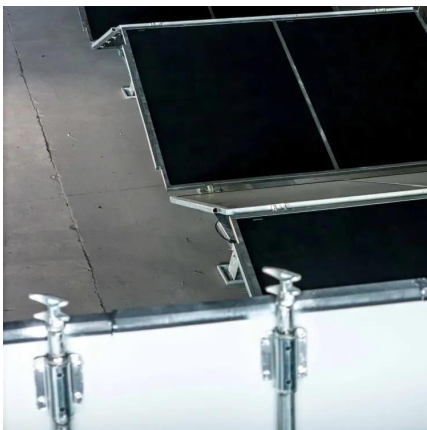
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### **Timor-Leste Large Energy Storage Power Station Factory ...**

This tender with title Timor-Leste - Power Purchase Agreement for the Design, Build, Financing, Operation and Maintenance of A Solar Photovoltaic Power Plant and Battery Energy Storage ...

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### **Timor Leste Hybrid Storage Market (2025-2031) , Trends, ...**

Historical Data and Forecast of Timor Leste Hybrid Storage Market Revenues & Volume By Uninterrupted Power Supply for the Period 2021-2031 Historical Data and Forecast of Timor ...

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