

# **Timor-Leste commercial and industrial energy storage inverter**



## Overview

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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.

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.

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 need a roof-top solar energy system?

In addition, most of Timor-Leste's electricity is generated through costly and polluting diesel generators. 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.

Does Timor-Leste have electricity?

Timor-Leste has rapidly expanded electricity access to more than 83 per cent of the population but the country has yet to achieve energy security.<sup>1</sup> Consumer costs, even with government subsidy, remain high and outages are

common. In addition, most of Timor-Leste's electricity is generated through costly and polluting diesel generators.

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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