

**Espay Solar Energy S.L.**

# **Timor-Leste containerized power generation**



## Overview

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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. Program of the 9th Constitutional Government: The Government is committed to modernize and expand its energy system by utilizing renewable energy. 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 0. 2% in. Will Timor-Leste's first solar power project integrate with a battery energy storage system?

In a landmark moment for Timor-Leste's energy future, a Power Purchase Agreement (PPA) has been officially signed for the country's first-ever solar power project integrated with a Battery Energy Storage. DILI, Timor-Leste - Novem—In a landmark move to pivot away from diesel-fired power and secure its clean energy future, Timor-Leste has partnered with Singapore-based Mooreast Holdings Ltd. Electricity production is still largely dominated by diese, and other organic matter - is not included.

## Timor-Leste containerized power generation

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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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### Presentation

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 0.2% in 2021 to 35.4% in 2030. Under the current ...



### Timor-Leste Launches Feasibility Study for 500 MW Floating ...

This move, heavily reliant on Mooreast's expertise in offshore mooring systems, signals Timor-Leste's determination to build a reliable, sustainable, and future-ready energy ecosystem vital ...

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### Timor-Leste containerized power generation BESS

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 ...

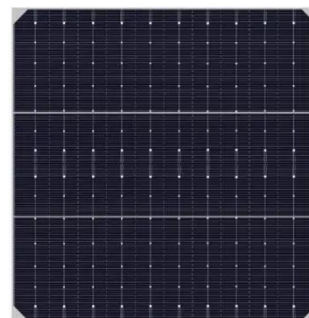


### Electrification in post-conflict Timor-Leste: Opportunities for energy

This Perspective paper aims to elucidate the influence of Timor-Leste's improvements in electricity access on its national development outcomes and how these may be enhanced, with a ...

### ENERGY PROFILE Timor-Leste

renewable resource potential Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per uni. of capacity (kWh/kWp/yr). The bar chart ...



### Container power generation in East Timor

This study is the first of its kind, and establishes the basis for future development of the power sector in Timor-Leste, including generation,

transmission, distribution and electrification, and



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## TIMOR LESTE ENERGY SYSTEM OVERVIEW

The global solar storage container market is experiencing explosive growth, with demand increasing by over 200% in the past two years. Pre-fabricated containerized solutions now account for ...



## East Timor container silent power generation

Operating at an output voltage of 20KV/50Hz, this advanced facility provides a stable and reliable energy supply, playing a vital role in strengthening East Timor's power infrastructure and

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## Microsoft PowerPoint

TIMOR LESTE ENERGY PROFILE Current Power Generation Profile - Diesel Power plant : 282.5 MW - Average Peak

Production 82 MW - Transmission Line :  
150 kV, 603 km



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