

## **PDEOZE PowerContainer**

# **Timor-Leste Solar Ecosystem**



## Overview

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Guided by Timor-Leste's Strategic Development Plan (2011-2030) priorities, the CTCN and its consortium partner The Energy and Resources Institute (TERI), with support from the Green Climate Fund, developed an educational programme that aims to boost local people's capacity and knowledge in installing and maintaining solar PV systems, and ultimately, bring reliable and sustainable electricity, powered by renewable energy technologies, to "a hundred thousand people in remote villages and municipalities," as Kapil Muddineni, TERI expert notes. Does Timor Leste have a country Factsheet?

Specifically for Timor Leste, country factsheet has been elaborated, including the information on solar resource and PV power potential country statistics, seasonal electricity generation variations, LCOE estimates and cross-correlation with the relevant socio-economic indicators.

Does Timor-Leste have solar power?

Despite having a tropical 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.

Can ecosystem-based adaptation improve climate resilience in Timor-Leste?

These landscapes face multiple threats, including climate change and unsustainable agricultural practices, with approximately 90% of the forests across the country having been cleared or logged. This project is using Ecosystem-based Adaptation (EbA) to increase climate resilience and reduce land degradation in rural communities in Timor-Leste.

Can a solar energy system help Timor-Leste achieve the 2030 Agenda?

"In Timor-Leste, our road to the 2030 Agenda for Sustainable Development starts at home. Our solar energy system can be a model for other UN Country Offices to show how we can jointly, sustainably and effectively tackle greenhouse emissions while reducing operational costs and scale up support

across the United Nations System.

Why is Timor-Leste important?

Description Timor-Leste is home to a wide range of globally important ecosystems, including tropical rainforests, mangroves, and wetlands. These landscapes face multiple threats, including climate change and unsustainable agricultural practices, with approximately 90% of the forests across the country having been cleared or logged.

What is the UN doing in Timor-Leste?

For more information on the UN's work in Timor-Leste, please visit [Timorleste.un.org](http://Timorleste.un.org) Energy-efficient solar systems in the UN Compound in Timor-Leste are helping cut down costs of nearly US\$ 542,490 and save 1765 tons of CO2 over the last six years.

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