

# **Timor-Leste Energy Storage Power Supply Specifications**





## Overview

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How many power plants are there in Timor-Leste?

11. Two power plants—the 119.5 MW Hera Diesel Power Plant and the 136.6 MW Betano Diesel Power Plant—supply all of mainland Timor-Leste’s electricity needs. Both plants can run on heavy fuel oil or natural gas but need some modifications.

How is power supplied in Timor-Leste?

The district capitals and rural areas are supplied through a cumulative operational capacity of 12.1 MW. There is no transmission grid in Timor-Leste and the highest distribution voltage level is 20 kV. All power generation is based on diesel generation, using automotive diesel oil as fuel.

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.

How much does electricity cost in Timor-Leste?

The flat rates vary from \$3 per month for low-income consumers with a two-amp connection and 6-hour daily provision of power, to \$25 per month for connection above four amps and 24-hour access to power. II. POWER DEMAND AND SOURCES OF ENERGY In 1998, the total peak load of Timor-Leste was reported at 17.1 MW. Power sales stood at.

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.

How will EDTL improve the power supply infrastructure in Timor-Leste?

The project will support EDTL improve the power supply infrastructure in Timor-Leste. The principal weaknesses in the power sector are the high cost of generation, inefficient distribution, low level of revenue generation, ongoing need for substantial fiscal subsidies, and excessive technical and non-technical network losses.



## Timor-Leste Energy Storage Power Supply Specifications



### POWER\_ENGLISH.NPP

In Timor-Leste, power sector operations need to conform to Government policies and regulations particularly in regard to: (a) the priorities and responsibilities for development of indigenous ...

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

UNDP Timor-Leste, Obrigado Barracks Caicoli Street, Dili, Timor-Leste lin.cao@undp Duration: 2004-2009 Cost: USD 523,350 Project brief:PREDP piloted three types of renewable energy ...

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

Using the Energy Services Cascade framework, several mechanisms have been recommended to enhance energy services used in irrigation, agricultural mechanisation and ...

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#### [Signing of Power Purchase Agreement \(PPA\) for Solar and ...](#)

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 ...



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### **Energy Storage Solutions in Timor-Leste Powering a Sustainable ...**

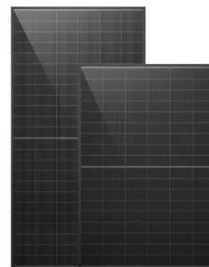
Summary: Timor-Leste is embracing renewable energy, but its unstable grid and reliance on fossil fuels demand innovative energy storage solutions. This article explores how modern battery ...

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### **ENERGY PROFILE Timor-Leste**

newable 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). ...

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### [Timor-leste lithium ion battery energy storage](#)

It uses lithium iron phosphate (LFP) battery cells. "We're pleased to see this landmark project complete construction and come online. Battery storage is critical for the stabilisation of the ...

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## Timor-Leste : Power Distribution Modernization Project

Power supply reliability and financial performance of EDTL improved. Project Data Sheets (PDS) contain summary information on the project or program. Because the PDS is a work in ...

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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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## Power Distribution Modernization Project: Sector ...

Two power plants--the 119.5 MW Hera Diesel Power Plant and the 136.6 MW Betano Diesel Power Plant--supply all of mainland Timor-Leste's electricity needs. Both plants can run on ...

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

Using the Energy Services Cascade framework, several mechanisms have been recommended to enhance energy services used in irrigation, agricultural mechanisation and ...

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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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### **Energy in Timor-Leste**

Betano Power Station, powered by imported fuel oil Map of Timor-Leste with photovoltaic potential shaded; as can be seen, it is very high, especially near the coast. Timor-Leste consumes 125 ...

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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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### **Timor-leste energy storage battery**

Does predp paved the way for future energy access in Timor-Leste? Conclusions Although PREDP was a pilot programme, it has paved the way for future energy access activities in ...

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## THE DEMOCRATIC REPUBLIC OF TIMOR-LESTE HIGH ...

Ladies and Gentlemen, It is a great honour to represent the Government of Timor-Leste participating in this High-Level Dialogue on Energy to share our progress, challenges and ...

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### Power Sector Development Plan for Timor-Leste

During this SIP exercise, more detailed project proposals were prepared for the medium-term power sector development in Timor-Leste, which were based on the Draft Final Report and its ...

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### Timor-Leste energy storage infrastructure

A key objective is to ensure that the implementation of the government's rural energy programs provides equitable distribution of benefits. In Timor-Leste the Secretary of State for Energy ...

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### DLA Piper advised Eletricidade de Timor-Leste on power...

DLA Piper advised Eletricidade de Timor-Leste on its first utility-scale solar PV and battery storage project with a 100MW capacity, marking a major milestone in the country's ...

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## Timor-Leste

The purpose of this report is to assist the government of Timor-Leste, in particular the office of the Secretary of State for Energy Policy, to develop policies in key areas that would guide ...

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