

SolarInnovate Energy Solutions

Timor-Leste household energy storage requirements



Overview

What determinants of household energy choices in Timor-Leste?

Using data from the 2007 Timor-Leste Living Standards Survey, this paper examines the determinants of household energy choices in Timor-Leste. The majority of households are dependent on dirty fuels such as fuelwood and kerosene for energy. Only a small fraction of households use clean energy such as electricity.

Do Timor-Leste households use electricity?

This study uses data from the TLSLS 2007 to analyze household energy choices and dependency. In Timor-Leste, a significant proportion of the population use kerosene and fuelwood, while a smaller number of households use electricity. We found that only about 23% of total sampled households use electricity.

What is Timor-Leste's energy plan?

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 2021 to 35.4% in 2030.

Should Timor-Leste subsidize solar?

Based on the cost of investments benefiting grid-connected households (average \$640 per connection plus subsidized tariff), a substantial upfront cost subsidy for a modest-sized solar home system (for example, 50 watt-peak) may be justified in Timor-Leste on equity grounds.

Does Timor-Leste need a stove?

The promotion of improved stoves in Timor-Leste is severely hindered by the continued relative abundance and low cost of fuel-wood in the country,

making it hard to motivate households to economize. In addition, Timorese households do not yet have a culture of purchasing stoves.

What will Timor-Leste's energy policy look like in 2021?

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 policies, GHG emission from the energy sector are expected to drop by 30% by 2030, compared to the BAU level.

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