

## SolarTech Power Solutions

# Tuvalu will make solar panels manufacturers



## Overview

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What is the Tuvalu solar power project?

The Government of Tuvalu worked with the e8 group to develop the Tuvalu Solar Power Project, which is a 40 kW grid-connected solar system that is intended to provide about 5% of Funafuti 's peak demand, and 3% of the Tuvalu Electricity Corporation's annual household consumption.

How much energy does Tuvalu use a year?

Like many Small Island Developing States (SIDS), Tuvalu has been heavily reliant on imported fuel for its diesel-based power generation system. Through this new FSPV system 174.2 megawatts per hour of electricity will be generated each year, meeting two percent of Funafuti's annual energy demand.

Is Tuvalu A good place to invest in wind power?

Beyond the solar farm, Tuvalu is also exploring wind energy opportunities. Preliminary assessments on several outer islands are underway to determine the feasibility of wind power. These efforts are part of a broader strategy to diversify Tuvalu's renewable energy sources, ensuring a stable and reliable electricity supply.

Will 184 solar panels be positioned on Tafua pond in Funafuti?

seeing 184 solar panels positioned on Tafua Pond in Funafuti will reduce the country's reliance on diesel-powered energy generation by 47,100 litres per year. Photo: Supplied.

What is Funafuti's new solar farm?

The new solar farm, spanning several hectares and equipped with advanced photovoltaic technology, is designed to meet a significant portion of Funafuti's electricity needs. This project, funded through a combination of government resources and international grants, is set to enhance energy security and

drastically cut carbon emissions.

How will a solar farm benefit the island?

The solar farm will reduce the island's dependence on diesel generators, which have been the primary electricity source, thereby lowering environmental impact and operational costs. Prime Minister Feleti Teo underscored the project's significance in a recent address.

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