

Kongres Container

Tuvalu portable energy storage power supply agent



Overview

How TEC is powering Tuvalu with renewable resources?

TEC has set a vision of “Powering Tuvalu with Renewable Resources” and this align well with the Tuvalu Government set target of 100% renewable energy by 2025. All the islands of Tuvalu are on 24/7 power supply and the access rate is 100%. The outer islands are powered by hybrid solar PV system with diesel generator on standby.

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.

Where does Tuvalu electricity come from?

Tuvalu's power has come from electricity generation facilities that use imported diesel brought in by ships. The Tuvalu Electricity Corporation (TEC) on the main island of Funafuti operates the large power station (2000 kW).

What is Tuvalu's energy policy?

Tuvalu commits to reduction of emissions of green-house gases from the electricity generation (power) sector, by 100%, ie almost zero emissions by 2025. Tuvalu's indicative quantified economy-wide target for a reduction in total emissions of GHGs from the entire energy sector to 60% below 2010 levels by 2025.

What was the first large scale solar system in Tuvalu?

The first large scale system in Tuvalu was a 40 kW solar panel installation on the roof of Tuvalu Sports Ground. This grid-connected 40 kW solar system was established in 2008 by the E8 and Japan Government through Kansai Electric Company (Japan) and contributes 1% of electricity production on Funafuti.

Can Tuvalu save money on diesel?

The 191kWp project will provide the islands with 24 hours-a-day electricity and allow Tuvalu to save up to 120,000 litres of diesel per year, which will amount to a reduction in spending on diesel of about AU\$200,000 per year.

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