

## European Solar and Energy Storage Solutions

# Tonga wise energy



## Overview

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What are the national needs of energy data in Tonga?

The national needs of energy data in Tonga are particularly strong for concerns on 1) energy security, 2) future energy planning, and 3) trade balance from energy imports/exports. To analyze these concerns, capturing the national energy flow and constructing the energy balance are critical first steps.

How can Tonga transform its energy sector?

The Government of Tonga has formulated targets to transform its energy sector by achieving a 50 percent share of renewables in the country's energy generation mix by 2020 and 70 percent by 2030. However, achieving these targets require catalytic investments to transform the country's energy infrastructure.

How much energy does Tonga generate?

It accounts for 90 percent of its electricity generation. The Government of Tonga has formulated targets to transform its energy sector by achieving a 50 percent share of renewables in the country's energy generation mix by 2020 and 70 percent by 2030.

Why is energy security important in Tonga?

Energy security is an ever-present concern for Tonga. To address the dual challenges of climate change and energy security, the Government of Tonga confirmed the Renewable Energy Act in 2008.

How good is Tonga's energy data collection?

Tonga's energy data collection and the availability of energy data and information fairs relatively well on the supply side of the power sector. The challenges lie with non-power data, particularly on the demand side - final consumption by sector for both power and non-power (particularly oil

products) sectors.

How will Tonga move away from fossil fuels?

This project aims to help Tonga move away from fossil fuels and shift to renewables. The project will deliver utility-scale storage systems to provide base load response and grid stability, paving the way for more renewable energy integration in the main island, while green mini-grids will be installed in the outer islands.

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### ENERGY PROFILE Tonga

developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided



### Renewable Energy , Tonga Power Limited

Our transition from diesel generation to renewable energy is our progress towards achieving a sustainable power source for the Kingdom for generations to come. Our current electricity generation method heavily relies on imported fossil fuels from overseas to ...



### 49450-012: Renewable Energy Project

ADB and the governments of Tonga and Australia commissioned the Vava'u hybrid mini-grid as part of the cofinanced Tonga Renewable Energy Project. The new grid, which is cofinanced by the Green Climate Fund, will provide clean, reliable, and efficient electricity supply to the people and businesses of Vava'u.



### Tonga Energy Road Map 2021-2035

The Tonga Energy Road Map 2021-2035 (TERMPLUS) is Tonga's national energy policy and 15-year roadmap, to achieve ambitious renewable energy targets of 70% and 100% renewable electricity by 2025 and 2035, respectively, through actionable energy strategies.



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## Home , WISE Energy Pty Ltd

WISE Energy products have the Smart Energy Hub integrated into the energy systems to maximise the use of surplus renewable energy. Learn more. Customise Your Style. Our Manufactured Systems Are Customised For Every Customer. All our WISE manufactured energy systems are customised to suit every customer's preference of style and configuration



## FP090: Tonga Renewable Energy Project under the Pacific Islands

This project aims to help Tonga move away from fossil fuels and shift to renewables. The project will deliver utility-scale storage systems to provide base load response and grid stability, paving the way for more renewable energy

integration in the main island, while green mini-grids will be installed in the outer islands.



## Tonga signs agreements for sustainable energy transition

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Baku, Azerbaijan: Multi-million loan agreements for energy projects have been signed by Tonga, Solomon Islands and the Asian Development Bank last week, to help the transition from dependency on diesel fuel imports to renewable energy. The projects, also supported by a grant from Australia, will help Tonga to meet its 70% renewable energy target ...



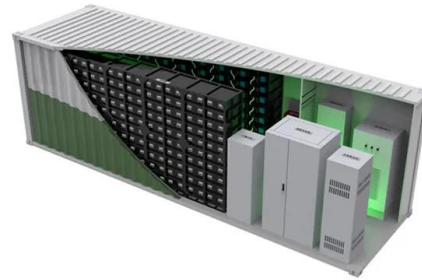
## About Us

Founded in 2009, WiseEnergy® is part of the NextEnergy Group. We undertake full solar asset management for the Group as well as for external clients. WiseEnergy is also a member of the most established international industry associations, such as SolarPower Europe, Eletticità Futura, Solar Energy UK e Italia Solare.

## Gebruikte soorten stekkers en stopcontacten in Tonga

Wise Europe SA is a company incorporated in Belgium with registered number 0713629988. Our registered office is at Rue du Trône 100, 3rd floor, 1050 Brussels, Belgium. Wise is a Payment

Institution authorised by the National Bank of Belgium. All investment services are provided by the respective Wise Assets



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## Type de fiche et de prise utilisé à Tonga

Quel type de prise utilise-t-on à Tonga? Découvrez si vous avez besoin d'un adaptateur pour les prises à Tonga. Aller au contenu principal. Personnel; Entreprise; Platform; Wise Europe SA est une entreprise constituée en Belgique sous le numéro d'immatriculation 0713629988. Notre siège social est situé Rue du

Trône 100, 3<sup>e</sup> étage

## Plugues e tomadas elétricas usadas em Tonga

As tomadas elétricas variam conforme o país e existe um número surpreendente de variações espalhadas pelo globo. Para garantir que leva o adaptador certo, continua a leitura do nosso guia sobre as tomadas elétricas em Tonga. Que tomadas elétricas são usadas em Tonga? Tonga tem 1 tipo de plugue no seu sistema elétrico: tipo I.



## WISE connects business women , Matangi Tonga

Nuku'alofa, Tonga: 'Ofa Tu'ikolovatu of the 'Uiha & Sons GIO Recycling Co in Nuku'alofa was re-elected as President of Women in Sustainable Enterprises (WISE) Tonga Inc. at its Annual General Meeting tonight, August 20. 'Ofa is supported by an elected board of local business women and entrepreneurs from the formal and informal sectors:

## Enviar dinero a Tonga , Transferencia de dinero a Tonga

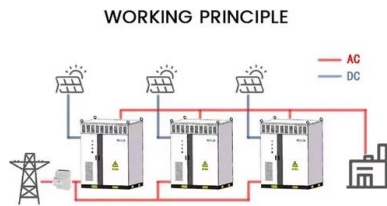
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## Send Money to Tonga , Money

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## Plug and outlet type used in Tonga

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