

Tonga Smart Solar Power System





Overview

What is a solar farm & how can it help Tonga?

Producing energy since August this year, and providing power for up to 10,336 households, the Solar Farm is helping The Government of Tonga pursue its National Energy Roadmap plans to see up to 70% of Tongatapu's electricity generation sourced from renewables by the end of 2025.

Can Australia help secure Tonga's outer island energy needs?

Australia also has a long history of engagement in relation to helping secure Tonga's outer island energy needs. In the early 2000s, Australia funded the Ha'apai Outer Islands Electrification project (HOIEP), which involved the installation of diesel-powered generators and electrical reticulation on four islands in the Ha'apai group.

What is Sunergise Tongatapu solar farm?

The Sunergise Tongatapu Solar Farm is the largest in the South Pacific. It was built as part of a power purchase agreement between Sunergise New Zealand Limited, a Todd Corporation solar company and Tonga Power Limited, with support from the Asian Development Bank.

How many people have access to electricity in Tonga?

This means that little more than 30,000 people are spread across 35 islands, presenting acute issues in terms of the provision of modern infrastructure. At OIREP commencement, the ADB estimated that 89% of all households across Tonga had access to electricity.



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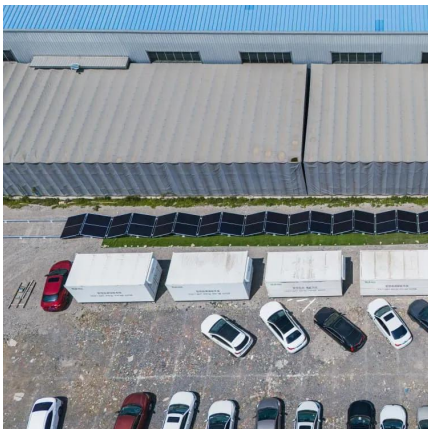
[Tonga Integrated Energy Storage Power Station: A Blueprint ...](#)

The Tonga Integrated Energy Storage Power Station demonstrates that energy independence isn't a distant dream--it's achievable today. By combining solar, wind, and smart storage, ...



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[Australia s contribution to the multi-donor Tonga Outer ...](#)

Jul 31, 2024 · OIREP's focus was installation of solar energy capabilities to nine outer islands of Tonga, with the aim of increasing the reliability, efficiency and affordability of power on these ...



OIREP , Tonga Power Limited

Our Projects Solar Power Construction and installation of solar power systems with a total capacity of 1.32 MWp on 9 outer islands of Tonga. On-grid: connecting solar photovoltaic ...



Solar Energy Tonga

SIT - Solar Island Technology are promoting and implementing Solar Energy Solutions in Tonga and neighbouring Islands for a more sustainable and affordable future.



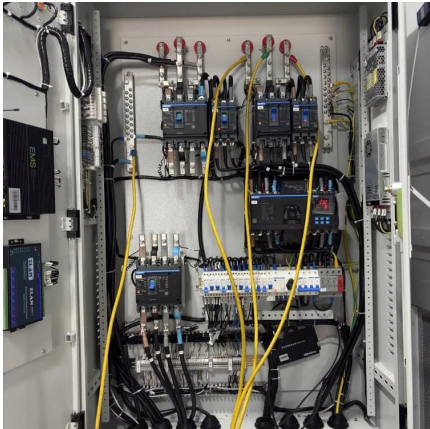
Tonga solar systems solutions

The solar PV system is part of a 1.25 MW portfolio, where power will be sold to the island's villagers through pre-paid net metering. The Asian Development Bank, with the help of other ...



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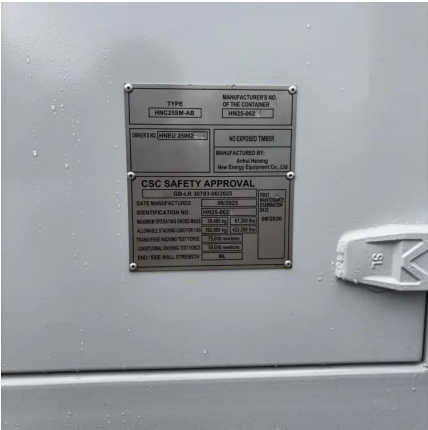
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[Energizing Remote Islands in Tonga with Mini-Grid Solar ...](#)

Jun 4, 2025 · Tonga Energy Background Current energy grids: Tongatapu, Vava'u, Ha'apai, Eua, and Niua Toputapu (recently turned to solar): powered by diesel generators Solo provider: ...



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Solar power changing lives on Hunga island

May 28, 2025 · The system, part of the Tonga Renewable Energy Project (TREP), delivers 73.08kWp of solar energy, supported by a 1,313.28kWh battery storage system and a modern ...

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