

ContainerPower Energy Solutions

New Zealand Island Solar Power Generation Home Office



Overview

Solar power in New Zealand is increasing in capacity, in part due to price supports created through the emissions trading scheme. As of the end of September 2025, New Zealand has 787 MW of grid-connected photovoltaic (PV) solar power installed. Since records began in September 2013, solar capacity has been increasing exponentially, doubling in capacity roughly ever.

How many solar power systems are there in New Zealand?

In 2024, 601 gigawatt-hours of electricity was estimated to have been generated by grid-connected solar, 1.4% of all electricity generated in the country. As of the end of November 2024, 67,000 solar power systems had been installed in New Zealand.

Why is solar power important to New Zealand?

Solar power is increasingly important to New Zealand as it provides a low-cost clean, renewable energy source. However, intermittent generation like solar and wind must be accurately forecast to allow the electricity system to coordinate itself efficiently.

What is solar energy in New Zealand?

Learn about solar energy in New Zealand, and its advantages and limitations. In October 2022, Electricity Authority data showed 43,641 solar systems installed across New Zealand, adding up to 240 MW. This makes up an estimated contribution of under 1% of total electricity consumption.

Will New Zealand's solar farms feed into the power grid?

These first solar farms, and the ones across New Zealand that follow, will feed into the power grid and then into thousands of homes and businesses across Aotearoa. We're taking New Zealand's solar production to a new scale, reliably and efficiently feeding electricity into local networks and the national grid.

How many solar farms are there in New Zealand?

A large proportion of new electricity generation in New Zealand is from solar farms. New Zealand's first large-scale solar farm connected to the grid was Kohirā in Kaitiā, in November 2023. Since then, four other large-scale solar farms have come online (Figure 3).

What is the largest solar power system on a school in New Zealand?

The largest solar power system on a school in New Zealand was officially opened in a ceremony in February 2019 at Kaitaia College. Kelvin Davis, unveiled a plaque to acknowledge the installation of the 368 solar panel project which is spread across the rooftop of multiple buildings on the school campus.

New Zealand Island Solar Power Generation Home Office

Contact Us

For catalog requests, pricing, or partnerships, please visit:
<https://websparafotografos.es>