

SolarTech Power Solutions

Battery energy storage system in Auckland



Overview

Is New Zealand's first large-scale grid battery storage system complete?

Construction of New Zealand's first large-scale grid battery storage system is now complete, with Meridian Energy's Ruakākā Battery Energy Storage System (BESS) being officially opened in a ceremony later today.

What is a battery energy storage system?

ESSs enable electrical energy to be stored and then injected into the power system when it is needed most. This ensures that homes and businesses are powered even when the sun does not shine or the wind is not blowing. Battery energy storage systems (BESSs) are the most common new form of ESSs in New Zealand.

What is the Glenbrook battery energy storage system (BESS) project?

The Glenbrook Battery Energy Storage System (BESS) project is tackling Aotearoa New Zealand's electricity capacity and supply quality challenges in South Auckland.

What is New Zealand's biggest battery?

This will be the country's newest large-scale battery, the closest to the largest city, and Tesla's first Megapack 2 XL system in New Zealand. Contact, in the agreement with Tesla, also has the option to expand the capacity of the battery to 130 MW at this site; a move which would make it New Zealand's biggest battery.

Is New Zealand a key market for storage solutions?

Power Electronics NZ Ltd Operations Director Brent Sheridan sees New Zealand as a key market for storage solutions with future generation growth primarily being led by solar and wind technology. "Both these forms of generation work perfectly in combination with batteries to provide a continuous and stable energy supply.

How will a lithium battery help New Zealand's electricity supply?

Contact's CEO Mike Fuge says the industrial-sized lithium battery will play a key role in maintaining a reliable supply of electricity for New Zealand, particularly during periods of high demand throughout the winter. It will also ultimately help with Contact's transition away from an increasingly constrained gas market.

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BATTERY STORAGE IN NEW ZEALAND

Sep 7, 2023 · We considered hosting our own trial of grid-connected battery storage, but first we chose to investigate the benefits of battery storage across the electricity supply chain. We did ...

A regulatory roadmap for battery energy storage systems

Jun 23, 2025 · Battery energy storage systems (BESSs) are the most common new form of ESSs in New Zealand. The Authority is expecting a significant increase in the amount of BESSs ...



Industrial Battery Energy Storage Solutions , Aggreko NZ

Aug 6, 2024 · Industrial Battery Energy Storage Systems (BESS) & Solutions in New Zealand Aggreko's fully integrated, plug-and-play battery energy storage systems (BESS) provide ...

Contact to develop a grid-scale 100 MW battery ...

Jul 1, 2024 · Contact's first renewable project in Auckland to start immediately. Tesla selected as battery energy storage system supplier, the first Megapack ...



Battery energy storage systems roadmap released

Jun 24, 2025 · The Electricity Authority Te Mana Hiko has published a draft two-year roadmap that sets out our work to support investment in battery energy storage systems (BESS). BESS ...

Meridian completes 200MWh Ruakaka BESS in New Zealand

May 23, 2025 · Meridian anticipates that the BESS will generate annual revenues of up to US\$35 million. Image: Meridian Energy. Meridian Energy, a New Zealand state-owned energy ...



Battery Energy Storage Systems (BESS/UPS) , Generator Rental NZ



Aug 15, 2025 · Hire reliable power storage at Generator Rental NZ. We supply battery energy storage systems and UPS systems for sites across NZ. Get for a quote here.

Launch of New Zealand's first utility-scale Battery Energy Storage

Oct 27, 2023 · Saft executive vice president for energy storage solutions Hervé Amossé add: "Saft is proud to provide this first Battery Energy Storage System for New Zealand in the Waikato.

...



DISTRIBUTED BATTERY ENERGY STORAGE SYSTEMS IN ...

Sep 7, 2023 · 2.2 Battery energy storage systems y economically, close to where they use that electricity. It can also store local sources of generation, such as rooftop solar PV, and smooth ...

Genesis Energy Initiates

Construction of 200MWh Battery Storage System

Jun 7, 2025 · Genesis Energy Begins Construction on 200MWh BESS in New Zealand By George Heynes June 6, 2025 Genesis Energy, a publicly listed energy company in New Zealand, has ...

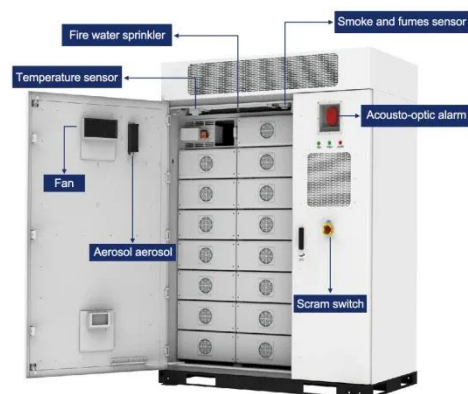


Soft energy storage system to support New Zealand's ...

Jan 10, 2023 · Meridian Energy is building New Zealand's first large-scale grid-connected battery energy storage system (BESS) at Ruakaka on North Island Soft lithium-ion technology will ...

Electrification and energy storage

Aug 13, 2025 · Enabling the shift from fossil fuels to electricity, including energy storage, distributed energy technologies and systems, electrification of transport, and network ...



New Zealand's first grid-scale battery energy storage system



The 100 MW storage system, which will be operated by Meridian Energy, aims to improve the stability of New Zealand's national grid, as intermittent renewable power generation increases ...

Battery energy storage systems offering instantaneous ...

Mar 26, 2023 · A grid-scale battery energy storage system (BESS) consists of large batteries connected to transmission or distribution networks through inverters and transformers.



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