

Lithium power station factory in Auckland





Overview

How does a lithium ion battery work in New Zealand?

How it works The lithium-ion batteries (similar technology to those used in EVs and laptops) will store electricity generated by New Zealand's hydro, geothermal and wind power stations when there is low demand. Without this storage this electricity would otherwise go to waste.

Where to buy a lithium battery in New Zealand?

Cell-Supply NZ started in 2022 and is based in Tauranga. It's one of New Zealand's top lithium battery shops. With the goal of "bringing cells to those who need them," they offer lithium-ion cells like 18350, 18650, and 21700. These cells have high energy density, low self-discharge, and a wide operating temperature range.

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

"As New Zealand's electricity supply becomes more renewable and subject to weather, this battery will help smooth out fluctuations in supply, ensuring supply remains reliable and secure." Genesis kicks off construction at Huntly Power Station for a 100 MW grid scale battery that will provide backup to the national grid. [Read more here.](#)

What is a New Zealand battery?

Energy type: Battery storing electricity generated by New Zealand's hydro, geothermal and wind power stations when there is low demand. Construction: Begun July 2024 with the battery expected to be operational by March 2026.



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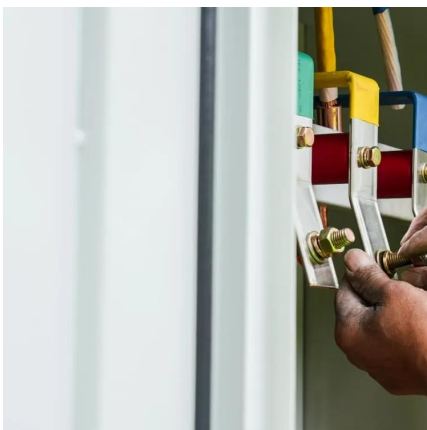
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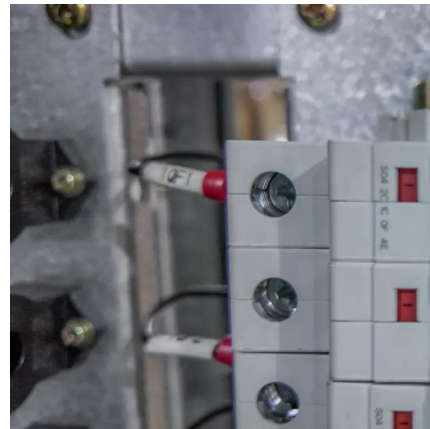


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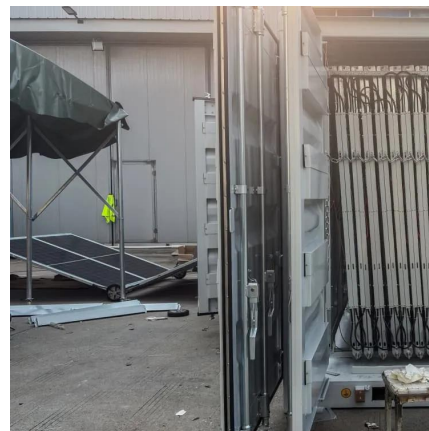


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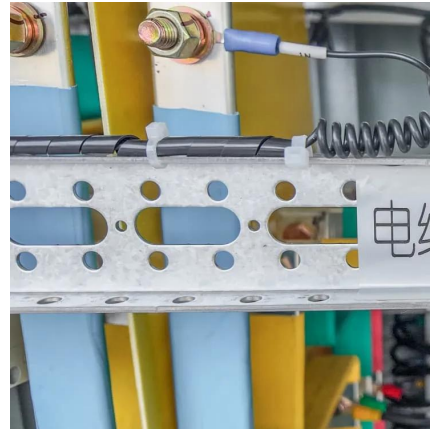
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