

## New Zealand energy storage battery distributor







## **Overview**

Can battery technology save energy in New Zealand?

transferring and using energy. In New Zealand, our hydro lakes store energy on a large scale. However, until now we have had limited options to store electricity cost-effecti ely close to where it is used. Around the world, battery technology now offers opportunities to store electricity economica.

Can batteries be used in New Zealand?

n cost of system.CASE STUDIESWe researched the applications where batteries could be used in New Zealand, and the additional services th y might realistically provide. Of all potential options, we have fully developed the five most useful (and economically promising) as case studies, using the revenue and cost assumptions ou.

What is a battery energy storage system?

A battery energy storage system (BESS) is a technology that allows for the storage of electrical energy in batteries, which can then be used to power electrical loads. BESS can be used for a variety of applications, including grid stabilisation, load shifting, backup power, and integration with renewable energy sources such as solar and wind power.

How do I order a battery in New Zealand?

Order your battery from your desk and it will be delivered to your door - free to main centres in New Zealand. Be in complete control of the ordering process while you're 'one on one' with a battery specialist. Pay by Credit Card, Cheque or internet banking - your choice.

What type of energy is used in New Zealand?

s renewable electricity systemElectricity makes up around one quarter of II energy used in New Zealand. It is mostly generated from renewable hydro (58%), geothermal (11%) and wind (8%) sources, located far from major



demand centres. Total installed generation is approximately 9500MW and produces approximately 42,000GWhr (1.

Do batteries need a supply chain?

the electricity supply chain. Unless a consumer was to install suficient selfgeneration and storage to cover all their energy demands, all the time – even during energy scarcity and high demand – the supply chain is still required, as a battery does not generate energy itself but s



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<u>Ernest Energy - The future of energy, designed</u> <u>for New Zealand</u>

Smart energy storage systems that work for you. At Ernest Energy, we provide smart storage systems that help you make the most of the energy you already have--reducing reliance on ...

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