



# Victoria Grid-connected Energy Storage Power Station





## Overview

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The Victorian Big Battery is a grid-connected (BESS) facility adjacent to the Moorabool Terminal Station (substation) near Geelong in Victoria, Australia and is owned by HMC Capital. The battery provides 450 MWh of storage and can discharge at 300 MW. It surpasses the 250 MWh in the United States. When it was commissioned in December 2021, the project was the largest lithium-ion battery in the Southern Hemisphere.

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Australia is accelerating its path toward net-zero emissions by 2050, with more than 35 percent of its electricity already generated from renewable sources, such as wind and solar. To take the next step, the country is investing heavily in large-scale energy storage – critical in capturing clean.

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The Victoria government in Australia has approved a 300MW/1,200MWh battery energy storage system (BESS) in Gippsland and a 332MW solar PV power plant with integrated storage in the state's northeast region, via the Development Facilitation Program. Victoria's planning minister, Sonya Kilkenny.

The 185 MW / 370 MWh Koorangie battery energy storage project in Victoria has reached a major milestone with developer Edify Energy confirming the system has successfully exported power to the grid for the first time. Image: Sosteneo Infrastructure Partners From pv magazine Australia Edify Energy.

Victoria, Australia, is now home to a groundbreaking energy storage development that is set to redefine the landscape of renewable energy. The installation of a



massive \$450 million Tesla Megapack battery energy storage system marks a pivotal moment not only for the state but for the entire global.

VICTORIA, AUSTRALIA - May 16, 2025 - Elgin Energy has received Grid Connection (GPS) approval from the Australian Energy Market Operator (AEMO) for its 150MW Elaine solar-plus-storage project in the Central Highlands of Victoria. The project includes a 125MW/250MWh battery energy storage system.



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### [Hazelwood Battery Energy Storage System](#)

As Australia accelerates its transition to renewable energy, the question arose: how could this industrial site be repurposed to support the nation's clean energy goals?

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### **Victoria Connects Major Battery to Boost Renewable Grid Stability**

This 300-megawatt capacity, 650-megawatt-hour facility will stabilize the power grid by storing excess clean energy and releasing it during peak demand, directly supporting ...

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### [Victoria approves 2.2GWh of BESS via DFP](#)

The Victoria government in Australia has approved a 300MW/1,200MWh battery energy storage system (BESS) in Gippsland and a 332MW solar PV power plant with ...

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### **Victorian Big Battery**

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### **Elgin Energy, solar-plus-storage, Victoria, Australia, AEMO, grid**

Elgin Energy has secured grid connection approval from AEMO for its 150MW Elaine solar-plus-storage project in Victoria, featuring a 250MWh battery and SMA grid ...

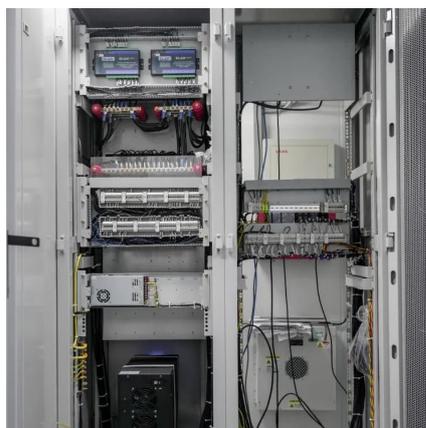
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### **AusNet and Hitachi Energy enable Victoria's largest grid-scale ...**

Supporting Victoria's Mortlake Power Station with two 500 kV, 180 MVA power transformers to connect a 300 MW / 650 MWh Battery Energy Storage System to Australia's ...

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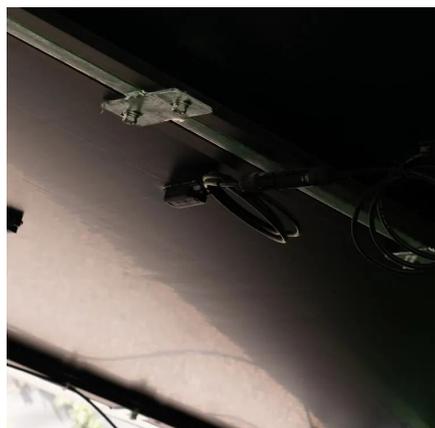




## ['Grid-forming' battery goes online in Australia](#)

The Victorian government said the grid-forming technology will help the state achieve its energy storage targets and support the transition to renewable energy by providing ...

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## **AusNet and Hitachi Energy Enable Victoria's Largest grid-scale ...**

Australia has taken a major step forward on its path to achieving net-zero emissions by 2050 with the development of the Mortlake Battery Energy Storage System ...

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## [Batteries and energy storage projects](#)

The Ballarat Energy Storage System provides back-up power and grid stabilisation, vital to maintaining a reliable and affordable energy supply in Western Victoria.

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## **Victoria's Landmark Battery Storage: The Backbone of Australia's**

NEWS: A massive new \$450 million Tesla Megapack battery energy storage system is now operational in Victoria, Australia. It's the biggest completed battery project on ...

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