

SolarTech Power Solutions

Wellington Industrial Park Lithium Battery Energy Storage System



Overview

AMPYR Australia Pty Ltd (AMPYR) and Shell Energy Operations Pty Ltd (Shell) propose to develop and operate the Wellington Battery Energy Storage System (the project), located approximately 2.2 km north-east of the township of Wellington in the Dubbo Regional Council local government area (LGA) and within the New South Wales (NSW) Government declared Central-West Orana Renewable Energy Zone (CWO REZ). What is the Wellington Battery energy storage system?

The Wellington Battery Energy Storage System comprise up to 6,200 pre-assembled battery enclosures with lithium-ion battery packs and associated equipment, transformers, and inverters. An on-site BESS substation will be built with two 330kV transformer bays, 33/0.440kV auxiliary transformers.

What is the Wellington Battery energy storage system (BESS)?

The Wellington Battery Energy Storage System (BESS) is planned to be developed in the central west New South Wales (NSW), Australia. The project will comprise a grid-scale BESS with a total discharge capacity of around 400MW. AMPYR Australia, a renewable energy assets developer in the country, owns 100% of the BESS project.

Could a lithium-ion battery energy storage system be developed at Wellington?

RWE Renewables Australia was exploring the possibility of developing a standalone, lithium-ion Battery Energy Storage System (BESS) at Wellington in New South Wales, on a site immediately adjacent to the Wellington Town substation.

What is the target capacity of the Wellington Bess?

The target capacity of the Wellington BESS is 500 MW / 1,000 MWh, making it one of the largest battery storage projects in NSW. The Wellington BESS will connect to the adjacent TransGrid Wellington substation, adjacent to the Central West Orana Renewable Energy Zone (Central West Orana REZ).

Which is the largest battery storage project in NSW?

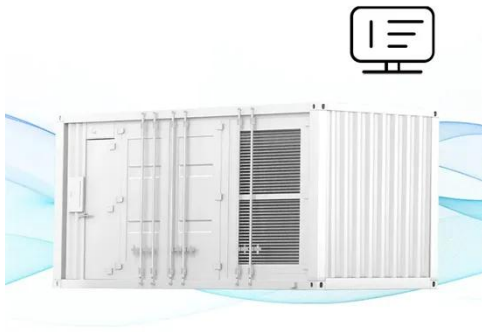
This will make Wellington BESS one of the largest battery storage projects in NSW. Wellington is being constructed at 6773 and 6909 Goolma Road, Wuuluman NSW 2820. The project site is situated within the Central-West Orana Renewable energy Zone (CWO REZ), in the Dubbo Regional Council local government area (LGA).

What is the Wellington Bess?

The Wellington BESS will connect to the adjacent TransGrid Wellington substation, adjacent to the Central West Orana Renewable Energy Zone (Central West Orana REZ). It will complement nearby existing renewable energy generation assets as well as the proposed additional generation to be delivered as part of the Central West Orana REZ.

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FLEXIBLE SETTING OF MULTIPLE WORKING MODES



The Role of BESS in the Energy Transition , Shell ...

Jan 23, 2024 · An essential part in Australia's energy transition to a low-emissions economy, Battery Energy Storage Systems (BESS) are increasingly playing a ...

AMPYR and Shell Energy to develop 500MW energy storage system ...

Oct 14, 2022 · AMPYR Australia and Shell Energy Australia have signed a joint development agreement for a proposed battery energy storage system at Wellington in New South Wales. ...



Utility-scale battery energy storage system (BESS)

Mar 21, 2024 · Introduction Reference Architecture for utility-scale battery energy storage system (BESS) This documentation provides a Reference Architecture for power distribution and ...

lithium battery energy storage wellington factory

Sustainability Series: Energy Storage Systems Using ... 30 Apr 2021. Energy storage systems (ESS) using lithium-ion technologies enable on-site storage of electrical power for future sale ...



Top five energy storage projects in Japan

Sep 10, 2024 · The Renova-Himeji Battery Energy Storage System is a 15,000kW lithium-ion battery energy storage project located in Himeji, Hyogo, Japan. The rated storage capacity of ...

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 ...



Wellington South Battery Energy Storage System

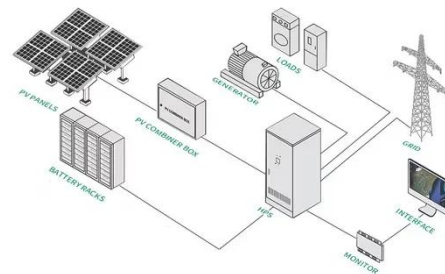
Aug 12, 2025 · The project incorporates



a large-scale battery energy storage system (BESS) with a discharge capacity of 500 megawatts (MW) and a storage capacity of 1,000 megawatt hours ...

Wellington Solar Project

Aug 28, 2021 · The Wellington Solar Project - Battery Energy Storage System is a 25,000kW energy storage project located in Wellington, New South Wales, Australia. The rated storage ...



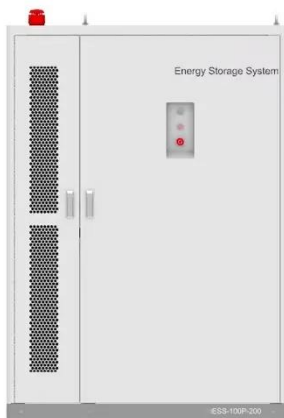
Wellington South Battery Energy Storage System

Feb 23, 2024 · The project incorporates a large-scale battery energy storage system (BESS) with a discharge capacity of 500 megawatts (MW), along with connection to the Wellington ...

Grid-connected battery energy storage system: a review on ...

Aug 1, 2023 · Battery energy storage

system (BESS) has been applied extensively to provide grid services such as frequency regulation, voltage support, energy arbitrage, etc. Advanced ...

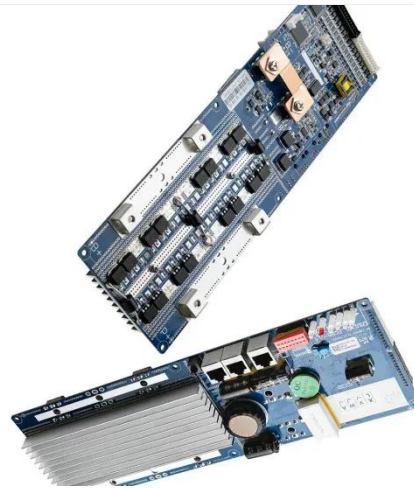


Wellington energy storage battery field analysis

The Elora BESS will establish Battery Energy Storage Systems (BESS) in Wellington County - powering thousands of local homes and businesses and delivering 200 megawatts nameplate ...

BESS Costs Analysis: Understanding the True Costs of Battery Energy

Aug 29, 2024 · Exencell, as a leader in the high-end energy storage battery market, has always been committed to providing clean and green energy to our global partners, continuously ...



AMPYR and Shell Energy to Jointly Develop, Own and



Oct 14, 2022 · AMPYR is proud to be partnering with Shell Energy on the Wellington BESS, which will be one of the largest battery storage projects in NSW, contributing to the reliability of the ...

AN INTRODUCTION TO BATTERY ENERGY STORAGE ...

Jul 15, 2024 · The number of large-scale battery energy storage systems installed in the US has grown exponentially in the early 2020s, with significant amounts of additional reserve capacity ...



Aypa Power Elora Battery Energy Storage System Project ...

Oct 2, 2024 · 1 Introduction Elora BESS LP is currently exploring the Elora battery energy storage project ("the Project") in close proximity to the existing Hydro One Networks Inc. ("Hydro One") ...

Top 10: Energy Storage

Projects , Energy Magazine

Jun 5, 2024 · A large lithium-ion battery storage project that contributes to grid stability and supports the integration of renewable energy, Leighton Buzzard ...



Wellington Battery Energy Storage System, Australia

Feb 14, 2025 · The Wellington Battery Energy Storage System comprise up to 6,200 pre-assembled battery enclosures with lithium-ion battery packs and associated equipment, ...

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