

# Australian Communication Base Station Battery Energy Storage System Protection Regulations

Voltage range

636V-876V

Rated voltage

768V

Cell type

Lithium iron phosphate



## Overview

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The installation of Battery Energy Storage Systems (BESS) is governed by stringent safety standards as outlined in AS/NZS 5139:2019, specifically in sections 4, 5, and 6. These sections impose explicit restrictions on permissible installation locations to mitigate safety risks.

## Australian Communication Base Station Battery Energy Storage Sys



[About Australia , Australian Government Department of Foreign Affairs](#)

Australia is one of the most multicultural countries in the world, and home to the world's oldest continuing culture. We have a highly skilled workforce and a proud history of democracy and stable

### Australia

Australia is situated entirely in the southern hemisphere, between the Indian and the Pacific ocean, south of Maritime Southeast Asia and north of the Antarctic. With an area of 7,617,930 km<sup>2</sup>, Australia



[Battery Installation Safety Requirements Under AS/NZS](#)

AS/NZS 5139 sets out requirements for the safe installation of battery energy storage systems. The CEC has drafted some detailed diagrams to help installers interpret these requirements.

[The Australian , Latest Australian News Headlines and World News](#)

From slow roasted lamb shoulder to whole flounder finished in szechuan butter, this is what eight of the best chefs are dishing up for the long weekend. For weeks people have put up with being accused of



[Battery Energy Storage System Installation](#)



### [requirements](#)

This standard places restrictions on where a battery energy storage system (BESS) can be located and places restrictions on other equipment located in close proximity to the BESS.

### **History, Cities, Population, Capital, Map, & Facts**

Australia, the smallest continent and one of the largest countries on Earth, lying between the Pacific and Indian oceans in the Southern Hemisphere. Australia's capital is Canberra, located in



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### **Approved for distribution and use by:**

AEMO has prepared this document to provide general guidance about requirements for battery energy storage systems to participate in the ancillary services markets for contingency raise and lower



### **Charged up: New guideline to energise distribution**

It also currently covers the technical requirements for battery management systems (BMS) and other control and protection devices. Other key requirements

## Australia

Australia is the world's flattest and driest inhabited continent. It is a megadiverse country, and its size gives it a wide variety of landscapes and climates including deserts in the interior and tropical



## SA TS 5398:2025

Standards Australia will continue to work with industry, government and the Technical Committee to have the document published as an Australian Technical Specification. The document will now

## Advancing Safety Standards in Battery Storage:

It provided foundational guidance on minimum electrical safety criteria for small-scale lithium-based battery storage systems. TS 5398 strengthens this



## Travel to Australia

Discover Australia's sparkling beaches, friendly wildlife and natural wonders. There's never been a better time to travel to Australia, so come and say g'day!

## AS5139 Explained

We'll explain key aspects like fire safety zones, enclosure requirements, and placement rules, and how these regulations aim to protect



[Battery Energy Storage Systems , Energy Safe](#)



## [Victoria](#)

This guidance relates to installation and safety requirements that must be carried out by Registered Electrical Contractors (RECs) and Licensed Electrical Workers (LEWs) to ensure a safe

## Australia Maps & Facts

Australia is the smallest continent and the largest country in Oceania located between the Indian Ocean and Pacific Ocean in the Southern hemisphere. Australia is geographically positioned



## Australia Map , Detailed Maps of Australia

Australia, the sixth largest country in the world by area, occupies a unique position in the Southern Hemisphere. It is located between the Indian and Pacific Oceans and has no land borders as it

## Where is Australia? Culture, Facts & Travel

Australia is a large, comparatively dry, and sparsely inhabited continent, almost as large as the 48 contiguous U.S. states. Australia, the only continent that consists of a single nation, is also the



## Understanding AS/NZS Standards for Battery PV

AS/NZS 5139 focuses on the safe installation of Battery Energy Storage Systems (BESS). This standard outlines the minimum requirements for

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