

# **Distributed energy storage in Australia**





## Overview

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How is energy stored in Australia?

Currently storage of electrical energy in Australia consists of a small number of pumped hydroelectric facilities and grid-scale batteries, and a diversity of battery storage systems at small scale, used mainly for backup. To balance energy use across the Australian economy, heat and fuel (chemical energy) storage are also required.

What is distributed energy storage?

The introduction of distributed energy storage represents a fundamental change for power networks, increasing the network control problem dimensionality and adding long time-scale dynamics associated with the storage systems' state of charge levels.

What are some examples of distributed energy resources?

Common examples of DER include rooftop solar PV units, battery storage, thermal energy storage, electric vehicles and chargers, smart meters, and home energy management technologies. Distributed energy resources are changing the way Australia produces and manages electricity.

How are distributed energy resources changing Australia?

Distributed energy resources are changing the way Australia produces and manages electricity. Rather than electricity being generated by big, centralised power stations, it is now starting to come from many places including millions of homes and businesses.



## Distributed energy storage in Australia

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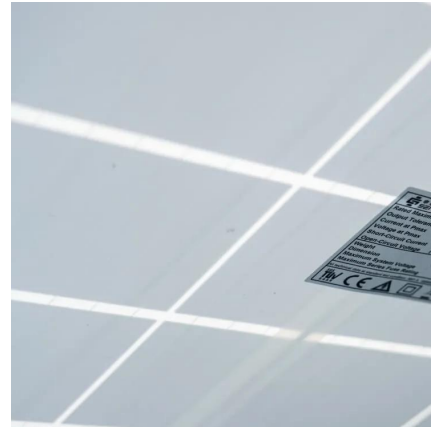


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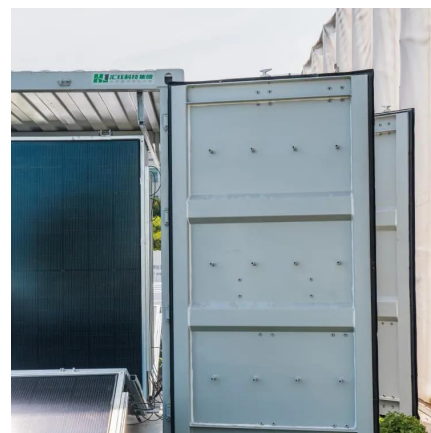
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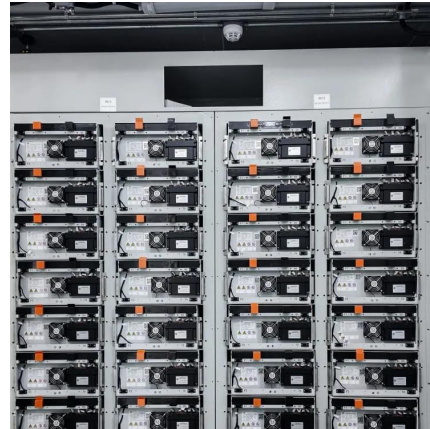
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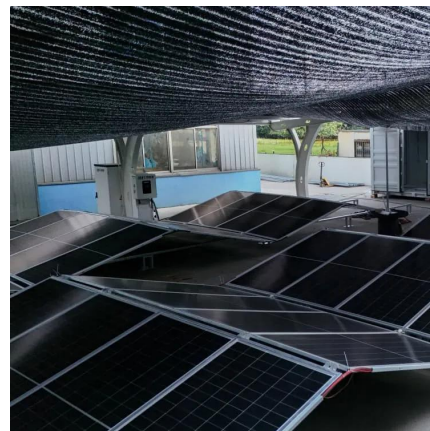


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