

## SolarTech Power Solutions

# Australian behind-the-meter energy storage products



## 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.

Which battery energy storage systems are most popular in Australia?

Analysis by solar and storage market consultancy SunWiz has identified the most popular brand of battery energy storage systems in the Australian market with Chinese manufacturers leading the way.

Why should Australia invest in energy storage systems?

This includes the likes of CATL, Tesla, LG Energy Solution and many other OEMs. Australia has an opportunity to influence further international thinking about the safety of energy storage systems. This also helps Australia's sovereign reputation as well as our international presence on the BESS front.

What is a der meter?

Another name for DER is "behind the meter" because the electricity is generated or managed 'behind' the electricity meter in the home or business. 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.

Does Australia rely on overseas manufactured equipment for energy storage systems?

Australia is largely dependent on overseas manufactured equipment for energy storage systems. This guidance report consolidates learnings from the literature review, findings from stakeholder consultations, and broader

industry knowledge to present a preliminary guide to approaching assessment of grid-scale BESS facilities moving forward.

What is energy storage?

Energy storage secures and stabilises energy supply, and services and cross-links the electricity, gas, industrial and transport sectors. It works on and off the grid, in passenger and freight transportation, and in homes as 'behind the meter' batteries and thermal stores or heat pump systems.

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