

SolarTech Power Solutions

Australia s PV Energy Storage Plan



Overview

Is energy storage a viable option in Australia?

There are limited commercially mature (bankable) energy storage options in Australia that are deployable in the near term, and the most widely deployed systems in Australia, li-ion and PHES, face supply chain risks and geographical constraints respectively.

How will storage affect Australia's energy supply?

- Time shifting energy: Storage will play an increasing role shifting energy supply to match later periods of demand. As discussed in Part I, increasing levels of VRE, such as rooftop PV installations, are expected to supply an increasing proportion of Australia's electricity needs.

How long does energy storage last in Australia?

434 Godfrey et al. (2017) The role of energy storage in Australia's future energy supply mix. Australian Council of Learned Academies, Melbourne. 435 Internal source. Maximum storage duration: Typically deployed for 12–24 hours. However, can provide energy for short- and medium-duration needs.

How can renewable storage technology transform Australia?

Renewable storage technologies have the potential to revolutionise clean and reliable energy access in remote communities, support cost-effective decarbonisation in industry and transform Australia into a green hydrogen export superpower.

What is Australia's Energy Transition Plan?

This is a roadmap for Australia's energy transition to renewable energy over the next 20+ years. The integrated system plan includes an optimal or best-case development path of energy generation, storage and transmission investments necessary to achieve Australia's transition to a net-zero economy by 2050.

Why should Australia invest in energy storage?

Australia can benefit from identifying and clearly communicating its energy storage strategy, technology priorities, capabilities and activities to overseas stakeholders. This can help catalyse research and industry partnerships and investment in demonstrations and commercial deployments.

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Contact Us

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