

Global PV Storage Insights

Expected ROI of solar with battery project in Australia 2025



Overview

The Return on Investment (ROI) for a solar battery in Australia is set to become significantly more attractive from 1 July 2025, thanks to the new federal Cheaper Home Batteries Program.

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In 2025, with the new federal rebate now available, the financial case for a solar battery has never been stronger. This guide will help you understand the key factors that influence your Return on Investment (ROI) and provide a step-by-step calculation to show you how a solar battery can become a.

Our experts have taken a close look at 3 use cases across the 8 different states and territories to help Australians work out whether solar batteries are a worthwhile investment in their scenario. This is the deep dive version of our popular 'are they worth it?

' article and has been recently.

Price Trends: According to Solar Choice's Battery Price Index, as of May 2025, the average fully installed battery system costs about \$1,000 to \$1,200 per kWh of usable capacity 134 (excluding rebates). This is a notable decline from a few years ago when \$1,500+/kWh was common. For instance: - A.

Starting July 1, 2025, the Australian Government's Cheaper Home Batteries Program offers a rebate of up to \$372 per usable kilowatt-hour (kWh) of battery capacity, effectively reducing installation costs by approximately 30%. This substantial reduction can shorten the payback period for solar.

nced growth. In Q1 2025, NT reached the highest average system size in the countr at 15.5 kW. The Territory has a unique profile - it accounts for just 0.3 per cent of total national capacity and 0.2 per cent of i stallations. Despite having a relatively small number of systems, the installations.

The federal government's Cheaper Home Batteries program offers a 30% discount on battery installations from July 1st. This makes combining solar and battery storage a smarter investment. So what kind of return on investment (ROI) can you expect?

And how long will it take to pay off your system?

Should you invest in solar panels & batteries in 2025?

Investing in solar panels and batteries in 2025 is one of the smartest financial and environmental decisions you can make. Implementing these strategies will aid in maximising the ROI of solar panels and batteries, reduce energy bills, and contribute to a greener future.

Are solar batteries the future of Australia?

With the potential to significantly reduce reliance on the grid and lower energy costs, solar batteries are key to Australia's energy future, paving the way for a resilient and environmentally friendly power system that will benefit future generations.

How many rooftop solar installations are there in 2025?

In the first quarter of 2025, the capacity of rooftop solar installations for homes and businesses surpassed 26 GW, with over 4.1 million photovoltaic systems now operational across the country, according to data from the Clean Energy Reg.

Are solar batteries a good investment?

Beyond offering a greater ROI, solar batteries will also protect your home from blackouts, reduce your reliance on the grid, offer energy independence, and store unused solar energy for use when you need it most. Regular maintenance will allow your system to continue operating at its full capacity.

Which solar batteries are used in Australia?

We have just selected products that are commonly used in the Australian market] For the 'small' solar battery system, we used Alpha ESS, which has a usable storage capacity of 5.7 kWh. All solar and battery output and technical information has been set in line with the verified product specifications published for each product.

What is the future of solar battery storage technology?

While the future of solar battery storage technology is bright, there are still challenges to consider: Recycling and disposal: As the number of solar batteries grows, so does the need for sustainable disposal and recycling practices. By 2025, Australia will need advanced recycling programs to manage the increasing number of end-of-life batteries.

Expected ROI of solar with battery project in Australia 2025

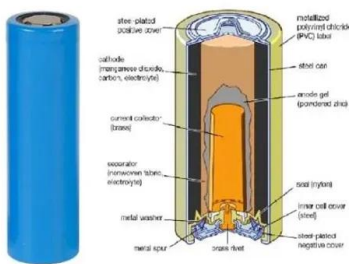


Top 5 High-ROI Investments in Australia (2025) - ...

Australia's renewable energy market is expected to be \$50 billion by 2025 with solar, wind and battery storage technologies. Despite grid integration challenges, large-scale projects thrive in urban and regional areas.

Australia has 7.8 GW of utility-scale batteries under ...

The volume of large-scale battery energy storage projects under construction in Australia passed that of solar and wind projects combined in 2023 and the trend has intensified this year, with



Calculating the Impressive ROI of Solar Panels: Is It Worth It?

Discover the remarkable return on investment (ROI) of solar panels and how they can save the planet and your wallet. By harnessing the power of the sun, homeowners ...

Calculating Your Solar Panel ROI: A Comprehensive ...

To put your solar panel ROI in perspective, compare it to the ROI of other investments like stocks, bonds, or real estate. Solar panels often provide a competitive and stable return,

especially considering the increasing cost of ...



ROI on Solar Home Batteries in 2025 , Shoalhaven Solar

What's the Real ROI on Solar and Battery Systems in 2025? With power prices climbing and energy uncertainty continuing, solar panels have become a no-brainer for many Aussie ...

Construction starts on first giga-scale battery project in ...

Danish energy giant begins construction of the first giga-scale battery project in Australia's most advanced renewable energy state.



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Battery installations with rooftop solar In Q1 2025, over 7,200 batteries were installed alongside rooftop solar systems across Australia. New South Wales led with 2,379 installations, followed ...

Cost of Battery for Solar Panels and Long-Term Value

Discover the cost of solar panel batteries and how they can increase energy efficiency, store excess power, and help you save on electricity bills.



Solar Battery Payback, ROI & Savings (2025 Guide)

Discover solar battery payback periods, ROI, and savings potential in Australia. Compare solar with rebates like the Cheaper Home Batteries Program.

Solar Rebates in Australia 2025: Ultimate Guide

Looking to save on solar panel installation in 2025? Australian solar rebates are designed to significantly reduce the upfront costs of solar systems for homeowners and businesses. By taking advantage of both federal ...



Off-Grid Solar ROI Australia 2025: Sungold Panels vs Diesel

Discover how Sungold's shade-tolerant off-grid solar + battery, boosted by 2025 STC rebates, pays back in <4 years and slashes diesel bills for remote sites.

Turning point for incentives to invest in residential ...

A Tesla Powerwall is still therefore not expected to be cost saving for consumers in 2025, however any reductions in installation costs and increases in the life of the battery could make it more attractive. Only a fraction of solar households ...

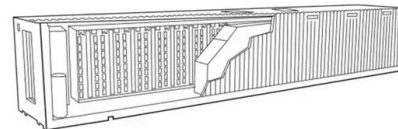


Maximising the ROI of Solar Panels and Batteries in ...

As more Australian home and business owners recognise the benefits of solar energy, one question stands out: 'How can I maximise the ROI of solar panels and batteries?' With energy prices projected to climb even higher ...

Federal Rebate 2025: How It Impacts Solar Battery ROI

The Return on Investment (ROI) for a solar battery in Australia is set to become significantly more attractive from 1 July 2025, thanks to the new federal Cheaper Home Batteries Program.



Are Solar Batteries Worth It in 2025? Costs & Savings

While results vary (homes with very low usage or exceptional tariffs should evaluate carefully), the combination of lower prices and big rebates in 2025 has, for the first ...

Solar Power Return on Investment: What Is the ROI on Solar ...

That's why people who calculate solar power return on investment carefully often find solar to out-return traditional investments in terms of both stability and predictability. ...



Big battery investment charges up in Q1 2025

The first quarter of 2025 was the second best on record for investment in large-scale Battery Energy Storage Systems (BESS) in Australia, with six projects worth \$2.4 billion in total reaching the financial commitment ...

Solar Power Return on Investment: What Is the ROI on Solar ...

That's why people who calculate solar power return on investment carefully often find solar to out-return traditional investments in terms of both stability and predictability. Factors Affecting Solar ...



Solar Power Return on Investment: What Is the ROI on Solar Panels in 2025?

Pairing solar panels with advanced storage solutions can improve long-term stability, especially if there is a consistency of quality equipment like HBOWA solar panels, ...

Solarenergie Return on Investment on Investment: Was ist der ROI ...

That's why people who calculate solar power return on investment carefully often find solar to out-return traditional investments in terms of both stability and predictability. ...



Top 10 Best Solar Batteries in Australia (2025 Guide)

Discover the best solar batteries in Australia for 2025. Compare prices, features, and performance to find the right battery for your home and energy needs.

Australia's Solar Battery Boom Hits New Heights in 2025

Australia is installing home batteries at record pace in 2025. Explore key trends, stats, and how Solar Power Nation quietly leads the charge nationwide.



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Solar Battery ROI Calculator: How Long Until It Pays for Itself in ...

By using a reputable installer and a high-quality product, you can confidently calculate your ROI and start your journey toward energy independence. FAQs Q1: What is the ...



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Federal Government Solar Battery Rebate Explained ...

¹ STCs (Small-scale Technology Certificates) ² Average price from the Solar Choice Battery Price Index (April 2025). ³ Estimated based on value of \$37 per STC and the size of the battery Can the Rebate Be Combined ...



Solar Battery Costs - Are They Worth It?

Solar Battery Costs in Australia August 2025 Solar Choice publishes average prices regularly, ensuring consumers get the transparency on costs for popular brands. Below ...

Top 5 Solar Power Trends in Australia for 2025

Stay updated with 2025's solar trends including next-gen solar panels, energy storage solutions, smart energy management, and community solar projects.



2025 Solar Battery Prices in Australia: A Deep Investigation

Explore 2025 solar battery prices in Australia. Discover average costs, rebates, savings, and ROI to find out if investing in a solar battery is truly worth it.

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