

Global PV Storage Insights

Average rooftop solar storage price per 5kWh in Australia



Overview

On average, you'll pay around \$1,420 per kilowatt-hour (kWh) to install 1-5kWh of storage capacity. That's down from \$1,710 per kWh in 2017. The point at which buying a battery makes sense for most households is estimated at around \$700 per kWh (for a lithium battery with a 10-year.

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The graphs below show average system prices (after STC rebates), based on 9,569 systems installed in the last 2 years. You can filter by system size, brands, or location to see what others paid in your area. Prices are solar-only (no batteries) and include full installation and any government.

According to the Solar Choice Price Index, the average cost of a 5kW solar system in Australia as of July 2023 is about \$1.13 per watt – or about \$5,640 – after the STC rebate has been deducted and including GST. Below, you can see the full breakdown of how that average cost varies by capital city.

December saw a surge in the average unit size, reaching a record of 11.08 kW. The second half of 2024 saw the rolling six-month average for system size surpass 10 kW for the first time, now standing at 10.3 kW. This surge is in line with seasonal trends where average size spikes in the lead up to.

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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 installations. Despite having a relatively small number of systems, the installations are significantly larger. The larger rooftop solar systems compared to other parts.

Here are the current average ranges for solar installations in Australia in 2025: These figures assume use of Tier 1 panels, quality inverters, standard roof access, and application of current federal rebates. Battery pricing reflects the 2025 Cheaper Home Batteries Program, which covers 30% of. How much does a 5kw Solar System cost in Australia?

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How much does a solar system cost in Australia?

Australia is home to some of the lowest solar system prices in the world, thanks to a broad combination of global and local factors. According to the Solar Choice Price Index, the average cost of a 5kW solar system in Australia as of July 2023 is about \$1.13 per watt – or about \$5,640 – after the STC rebate has been deducted and including GST.

How many approved rooftop solar products are there in Australia?

There are currently 4,829 approved rooftop solar, inverter and storage products across Australia, which represents a 33 per cent decrease compared to the previous bi-annual report, largely due to changes in standards causing many listings to expire over a short period. A breakdown of the number of each product type is seen below.

How much does a 5kw Solar System cost?

A 5kWh solar panel system will cost you between \$5,719 and \$6,524 installed [2 – 3]. The average price for a 5kw system in 2025 is \$6,284. This is the price after the solar rebate has been applied. Rebates are claimed by your installer so this is the final amount you will need to pay.

How long does a 5kw Solar System last in Australia?

On average, solar system costs have fallen across Australia over the past 10 years or so. SolarQuotes estimates that going solar with a 5kW system means a payback period of four years and 11 months. Again, this will depend on all the factors previously discussed, and whether your plan is to rent the property out or live there yourself.

How long do solar panels last in Australia?

Most quality solar panels are built to last 25 to 30 years, with performance warranties commonly covering 20 to 25 years. 5. How much does a 6.6kW solar system cost in Australia in 2025?

In 2025, a fully installed 6.6kW system usually ranges from \$5,000 to \$8,500, depending on location, component quality, and any applicable rebates.

Average rooftop solar storage price per 5kWh in Australia



5kW Solar System: Panels, Pricing, Output Per Day, Battery ...

Generally, a roof in Australia will receive an average of around 5 hours of peak sunlight per day. Under these circumstances, a north-facing 5kW solar system will produce around 15kWh of ...

Solar Panel Costs in 2025 : It's Usually Worth It

Solar Panel Costs in 2025 : It's Usually Worth It
 Average Total Cost: \$21,816 - \$26,004
 Average Cost per watt: \$3.03
 Get solar power system costs based on your location, roof, power usage, ...



Rooftop solar PV with a battery: does it stack up?

As the price reduces and technology improves, rooftop solar PV with battery storage is increasingly likely to be part of Australia's transition to renewable energy.

Solar Battery Prices: Are Home Batteries Finally ...

With battery rebates slashing prices by 30-40%, discover what you'll pay to add a solar battery in

Australia--and if it's finally worth it.



Australia's love of rooftop solar continues to ease energy costs on

Approximately 1.3 GW of rooftop solar photovoltaics (PV) was installed during the first half of 2024, as millions of Australians turn to solar to ease energy cost pressures, ...

Solar Installed System Cost Analysis , Solar Market ...

Solar Installed System Cost Analysis NREL analyzes the total costs associated with installing photovoltaic (PV) systems for residential rooftop, commercial rooftop, and utility-scale ground-mount systems. This work has ...



Solar Panels Canberra: Compare Prices & Installers

How much energy will Canberra solar panels produce? The average Canberran rooftop receives an annual average of about 4.8 hours of sun per day based on data from the Bureau of Meteorology. This number fluctuates ...

SOLAR REPORT S

n Australia. Figure 2 illustrates the size of the average rooftop solar system in the first quarter of each year since 2017. The chart shows the upward trend across all states and territories, with ...



Solar Battery Costs: Solar Battery Price

If you want to know about solar panel battery storage, read this blog about commercial solar battery storage by iGreen Energy solar power company Australia.

Falling Costs Drive Strong Demand for Australia's Residential Solar ...

The benefits of falling prices for residential solar PV are not just being felt in Australia: since 2010 a declining trend in installed costs has been visible in a wide range of ...



SOLAR REPORT

30 per cent of new solar panels nationally in the first quarter of 2023, with Queensland following closely behind with 26.2 per cent (figure 2). While Victoria and Western Australia had a ...

The Cost of Solar Panels

The Solar Choice Price Index measures the cost of solar power systems on a dollar per watt (\$/W) basis. This pricing metric helps consumers and industry stakeholders understand the average prices of residential solar ...



Solar Batteries: Everything You Need To Know (Cost, ...

This no-nonsense guide will walk you through solar battery prices, paybacks and brands in Australia so you can decide whether a battery is worth it for you. Then, I'll show you how to pick the right home battery and get ...

Rooftop solar generates over 10 per cent of Australia's ...

16 Apr 2024 Rooftop solar now accounts for 11.2 per cent of Australia's electricity supply, according to the Clean Energy Council's new Rooftop Solar and Storage Report, published today.



SOLAR REPORT

STATE OF SOLAR IN AUSTRALIA Australian rooftop solar only systems saw a decline in installed capacity and the number of installations in 2022 after a run of five consecutive years ...

The Future of Solar Batteries: When Will They Be Affordable in Australia?

Cost trends of solar batteries in Australia The average price of home solar batteries is between \$1,000 to \$13,000 per kWh of capacity installed. However, the price varies ...



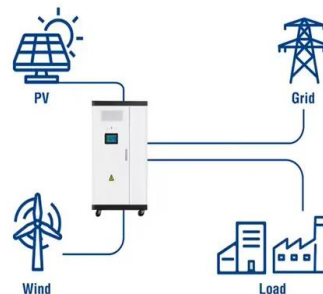
Home Solar Power In Australia

For a rooftop 6.6kW solar power system installed in Sydney, total generation is around 9,783 kWh in the first year. I then used SQ's Australian Solar Price Index for New South Wales, which indicated a 6.6kW solar system ...

Rooftop solar and storage report

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Utility-Scale ESS solutions

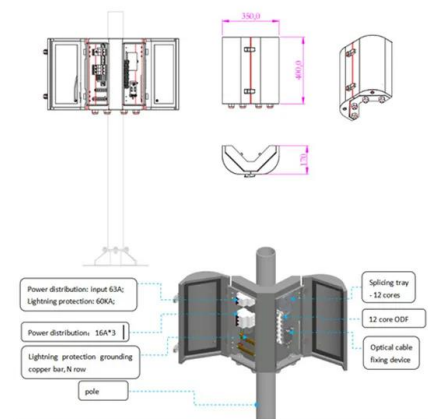


5kW Solar Systems

According to the National Solar Choice Price Index, the average price of a 5kW system in December 2024 is \$5,150 Australia-wide: however, this can vary between states.

Is it worth investing in a battery for your rooftop solar?

Battery costs vary with brand, size and location. On average, you'll pay around \$1,420 per kilowatt-hour (kWh) to install 1-5kWh of storage capacity. That's down from \$1,710 per kWh in 2017.

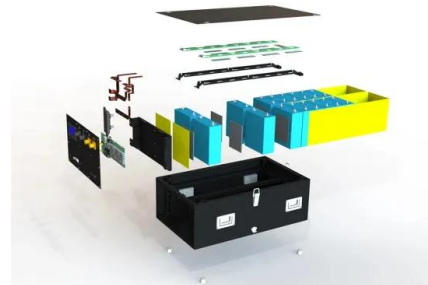


Cost of Solar Panels in Australia , Pricing & Rebates ...

Explore the cost of solar panels in Australia, including state-wise prices, rebates, and key factors. Learn how to maximise savings with the best solar solutions.

Solar Panel Costs In Australia: Price Index 2025

Explore all about solar panel costs in Australia, 2025. Compare state wise solar panel costs, rebates, and payback periods to make solar decisions.



The Cost of Solar Batteries: Things to Know Before ...

As of 2025, the average cost of solar battery storage in Australia is approximately \$8,000 to \$15,000. This includes both the cost of the battery itself along with the installation charges.



Solar panels Melbourne: Compare system prices

How much do Solar Panels cost in Victoria? (March 2025) Thanks in great part to the STC rebate and the Victorian State scheme, Melbourne is home to some of the lowest PV system installation prices in the ...



5kW Solar System: Costs, Outputs & Returns , Solar ...

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Solar Energy Cost: How Much Does Solar Cost in Australia?

The solar energy costs vary greatly depending on where you reside, the installation you choose, the size of your system, and additional components. As an alternative, ...

Solar Photovoltaic System Cost Benchmarks

The U.S. Department of Energy's solar office and its national laboratory partners analyze cost data for U.S. solar photovoltaic systems to develop cost benchmarks to measure progress towards goals and guide research and development ...



Solar Power vs. Traditional Electricity: A Cost Comparison

Plus, the average price for each unit of electricity (kWh) drops from the original \$0.315 to \$0.23 per kWh. Solar energy brings significant cost benefits in the long run compared ...

What Solar Really Costs in Australia in 2025

Find out what solar really costs in Australia in 2025. See average prices, rebates, battery savings, and key factors that affect your final quote.



5kw Solar System Cost: New 2025 Price Guide

The price of 5kWh solar systems vary with the quality of the panels and inverter used. Installer and rebate also impact cost. Read on for more details.

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