

JH Solar

Battery storage revenue in australia



Overview

The ME BESS AUS NEM Index captures the real-world performance of grid-scale battery storage - tracking revenues across all merchant revenue streams at a five-minute granularity. Source: ME BESS AUS NEM Index Note: Monthly average grid-scale battery revenue in the NEM. Assets greater than 5MW only.

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Grid-scale battery energy storage in the Australian NEM earned an average of \$148k per MW in 2024. This marked a 45% increase from the low reached in 2023. But behind that topline number is a more complex story, with a few strong performers significantly outperforming the average. Let's look at.

Net revenue for Australian grid-connected battery energy storage systems more than doubled in year-on-year comparisons of the final quarter. The Australian Energy Market Operator (AEMO) has detailed in its regular quarterly reporting that grid-scale battery energy storage systems (BESS) output.

To begin, I've charted the long-term monthly revenue for all batteries in the NEM, breaking down 'market revenue' by source. The chart begins with the first output of Hornsdale Power Reserve back in November 2017. Looking at the chart above, three key long-term trends stand out to me: - The obvious.

Investments in battery storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility and changing market dynamics, according to the latest report by Wood Mackenzie. Australia is a leader in renewables deployment, but battery storage.

In early 2025, over AUD 2.4 billion (USD 1.5 billion) went into large-scale battery energy storage systems (BESS). This was the second-highest quarterly investment ever, just behind the AUD 2.8 billion seen at the end of 2023. The

Clean Energy Council's Quarterly (Q1 2025) Investment report shows.

Australia's net revenue for NEM grid-scale batteries totaled \$44 million AUD, covering energy and frequency control ancillary services (FCAS). This amount is \$3.7 million lower than the estimated revenue for Q1 2024. Despite this decline, energy market revenue increased by 44% to \$48.5 million, an. Why did battery energy storage revenue decrease 40% in March 2025?

Image: Genex Power. A reduction in price volatility has seen the battery energy storage system (BESS) revenue decrease by 40% in Australia's National Electricity Market (NEM) month-on-month in March 2025.

Why is battery storage a good investment in Australia?

However, the report finds that high daily price volatility in power markets makes battery investments appealing even without government guarantees. "Battery storage will be crucial in Australia's energy transition, influenced by the growth of renewable energy and market volatility.

How big is the battery market in Australia?

The report shows a growing market for batteries in the NEM, with a massive pipeline of 60 GW of projects under development representing over AU\$80 billion (US\$50 billion) of potential investment. Over 60 GW of battery storage projects under development in Australia Source: Wood Mackenzie Lens Power Service.

Is battery generation at an all-time high in Australia?

Battery generation was at an all-time high in Australia following the release of the Australian Energy Market Operator's Quarterly Energy Dynamics report for the first three months of 2025, which reported an 86% surge. The Australian Energy Market Operator (AEMO) has published its Quarterly Energy Dynamics (QED) report for Q1 2025.

Are battery storage systems profitable?

This underscores the profitability of battery storage across various market conditions," said Max Whiteman, Research Associate, Asia Pacific Power & Renewables at Wood Mackenzie. Results show that going forward 4-hour duration battery systems have higher profitability compared to the typical 1.6 hour duration of projects operating today.

Why should Australia invest in energy storage systems?

Energy storage systems, such as big batteries, are a critical part of Australia's future energy mix and act as a reliable back-up system allowing us to store renewable energy for when it is needed most and keep the lights on under all conditions. It's great to see the high levels of investment we've seen over the past couple of years continue.

Battery storage revenue in australia



Australia leads global market for battery energy ...

Australia leads the global market for battery energy storage systems (BESS), with the total pipeline of announced projects now exceeding 40 gigawatts (GW), according to latest Wood Mackenzie analysis ...

Australia: The State of Battery Energy Storage in the NEM

Australia is home to the world's first 'big' battery: the 100 MW Hornsdale Power Reserve, constructed in 2017. Since then, investment in grid-scale battery energy storage in Australia's ...



Australian Energy Market Sees Surge in Battery Storage Revenue ...

In 2024, large-scale battery storage systems in Australia's National Electricity Market (NEM) reported a net income of AUD 165 million (USD 105 million) from wholesale ...

The economics of behind-the-meter battery storage. Part 1:

...

Why the focus on C& I batteries Battery storage has been a hot topic in energy markets for a few

years now but despite much froth and chatter, in regions like the UK, Europe ...



BESS revenue in Australia's NEM drops 40% on average in ...

A reduction in price volatility has seen the battery energy storage system (BESS) revenue decrease by 40% in Australia's National Electricity Market (NEM) month-on ...

Battery energy storage breaks records in Australia ...

Battery generation was at an all-time high in Australia following the release of the Australian Energy Market Operator's Quarterly Energy Dynamics report for the first three months of 2025, which reported ...

TAX FREE

ENERGY STORAGE SYSTEM

Product Model
 HJ-ESS-215A(100KW/215KWh)
 HJ-ESS-115A(50KW 115KWh)

Dimensions
 1600*1280*2200mm
 1600*1200*2000mm

Rated Battery Capacity
 215KWH/115KWH

Battery Cooling Method
 Air Cooled/Liquid Cooled

FCAS Events & BESS: Key to Australia's NEM Stability and ...

Explore how FCAS events and Battery Energy Storage Systems (BESS) ensure grid stability and profitability in Australia's National Electricity Market.



Australian Energy Market Sees Surge in Battery Storage ...

However, the rapid growth of battery facilities has intensified competition, reducing the value of FCAS for individual projects. Last year, the total net income from ...



'Highly attractive' revenues forecast in Australia's ...

FCAS services remain the biggest revenue stream for most BESS assets in Australia, like the Hornsdale Power Reserve (pictured). Image: Neoen. The newest ancillary services product in Australia's ...

Australian grid-scale battery storage earns \$69.5M ...

Net revenue for Australian grid-connected battery energy storage systems more than doubled in year-on-year comparisons of the final quarter.



Battery storage profitability looking up in Australia, ...

Investments in battery storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility and changing market dynamics, according to the latest report by ...

Opportunities for Battery Storage in Asia and Australia

The "Swiss army knife" of the power industry: Energy storage is less a single business model than an array of valuable service that a battery can provide - understanding specific business ...



Australia: Battery energy storage & the CIS and ...

16 GW of battery energy storage capacity is in the NEM pipeline to the end of 2027, a quarter of which has a long-term government-backed revenue guarantee. This is through either the Capacity Investment Scheme (CIS) ...

Akaysha Energy inks offtake agreement for 410MWh BESS in ...

Construction on the Brendale BESS (pictured) started last year. Image: Akaysha Energy. Battery developer Akaysha Energy has penned a long-term offtake agreement with ...



BNEF: Australian utility appetite for big batteries rising

Interest in owning big batteries is a growing trend for electric companies and coal-plant owners as market revenue potential improves, particularly for newer, longer-duration battery energy storage ...

Advanced DC Metering Solutions for EV Charging Infrastructure ...

2 ???· Direct Current energy metering represents a critical technology enabler as Australia develops infrastructure to support ambitious renewable energy targets and electric vehicle ...



114KWh ESS



ISO 9001 ISO 14001 PICC RoHS CE MSDS UN38.3 UK CA IEC

The role of community-scale batteries in the energy transition: ...

Australia's National Electricity Market (NEM) is currently undergoing a rapid clean energy transition, with battery energy storage systems (BESS) set to play an increasingly ...

Energy storage financing ability in Australia

Australia's Energy Storage market growth has been reliant on government support. The number of utility-scale batteries connected to the power system has increased dramatically in the past ...



Australia on the Cusp of Big Battery Boom, ...

A volatile power market, supportive government policies, and looming coal plant retirements are driving uptake of utility-scale batteries in Australia: BloombergNEF Sydney, March 25, 2025 - Australia could be ...



Report: 4-Hour Duration BESS to Drive Higher Profitability in Australia

Investments in battery storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility and changing market ...



How Australia's AUD 2.4B Battery Storage Boom Is Replacing Coal

1 ??· Australia is leading the global battery storage boom with AUD 2.4B invested in Q1 2025. Discover how big batteries are replacing coal, stabilizing the grid, and driving the nation's clean ...

Australia's batteries surf revenue wave on back of volatile power

Investments in battery storage within Australia's National Electricity Market (NEM) are increasingly profitable due to higher power price volatility and changing market ...



Australian big battery market building towards ...

A record 4 GW/10 GWh of grid-scale battery energy storage projects commenced construction across Australia in 2023 but that mark is almost certain to be eclipsed this year.

Australia's NEM favours 2-4 hour but don't

Image: Solar Media. The economics of battery storage duration, the growth of co-location or hybridisation with renewables and the need for revenue certainty were among ...



Australia installed 2.5GWh of battery storage in record-breaking ...

Top three residential storage manufacturers by market share included Alpha ESS (pictured), Tesla, and Sungrow. Image: Alpha ESS. Australia's battery storage market had ...

Australia's big battery fleet now making more money from ...

Australia's growing fleet of big battery projects are rapidly shifting their main revenue source from frequency control to arbitrage. Here's why.



Battery Tech & Energy Storage: 2024 Valuation Multiples

Last year showed a slowdown in the sector, with median EV/Revenue multiple for Energy Storage & Battery Tech only reaching 2.1x in Q4 2023.

4-hour duration BESS in Australia's NEM to be

Wood Mackenzie also states the BESS market is growing in the NEM, with a pipeline of 60GW of projects under development. Image: Vena Energy. Research firm Wood Mackenzie has found that daily price ...



Battery storage doubles its influence in morning and evening peaks

The influence of big batteries on the grid doubled in morning and evening peaks, and revenue also grew, helped along by being paid to charge when prices fall below zero.

Big battery investment charges up in Q1 ...

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 ...



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