

SolarInvert Energy Solutions

Energy storage power station under construction in Sydney Australia



Overview

A new Super Battery now under construction — one of the largest in the southern hemisphere, supported by cutting-edge converter technology from Hitachi Energy — will enable Sydney, the nation's largest city, to keep the lights on while helping Australia meet its renewable energy target of adding 33,000 gigawatt-hours (GWh) each year through 2030. Are Australia's large-scale battery energy storage projects attracting federal support?

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 batteries attracting federal support. As coal-fired power plants are shuttered, developers and suppliers are enjoying a battery bonanza.

What is Australia's largest battery project?

Regarded as the largest battery project under construction in the Southern Hemisphere and destined to be Australia's largest battery energy storage system (BESS), the completed 700 MW / 2.8 GWh project will dispatch energy equivalent to powering over 150,000 households annually, when cycled once a day.

Where will Ausgrid's battery energy storage systems be located?

New South Wales electricity distributor Ausgrid is proposing two, 200 MW / 400 MWh battery energy storage systems to be located in the north coast regional city of Newcastle, and Sydney suburb of Homebush.

Is Ausgrid proposing a battery energy storage system?

Sydney-headquartered distribution network service provider (DNSP) Ausgrid is proposing two, battery energy storage systems (BESS), both in Newcastle and Sydney, New South Wales (NSW), both well in excess of \$30 million (USD 19.7 million) given their state significant development (SSD) classification.

What is the Smithfield battery energy storage system?

The Smithfield Battery Energy Storage System (BESS) is a 65 MW / 130 MWh battery system currently under development. The project is located on Darug land in Smithfield, approximately 30 km from Sydney CBD. This project will be co-located with the existing operational Smithfield Open Cycle Gas Turbine Gas Peaker plant owned by Iberdrola Australia.

Where is the biggest battery plant in Victoria?

The biggest site, the 350 MW Wooreen storage system, is next to the 400 MW Jeeralang gas-fired power station, in Hazelwood North, Victoria. Economies of scale are paying off for large battery developers. Rystad Energy says construction times for recent larger projects have been consistently below one day per megawatt.

Energy storage power station under construction in Sydney Australia



Pumped Storage Hydropower Series: Australia's Integrated

...

Oct 16, 2024 · The Integrated System Plan (ISP) is the roadmap to Australia's energy transition. Published every two years, the ISP was developed following a 2018 review into the future ...

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Wärtsilä to deliver one of the world's largest ...

Dec 5, 2024 · Technology group Wärtsilä has been selected by Origin Energy (Origin) to deliver the third stage of the Eraring battery facility at Origin's ...

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What energy storage technologies will Australia need as ...

Aug 1, 2024 · Increasing gap between maximum and minimum operational demand in Australia call for urgent need of balancing storage technologies. Fast response hybrid battery ...

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Build starts on 240 MW second stage of Origin ...

Oct 31, 2024 · Construction of the second stage 240 MW battery at Origin Energy's Eraring Power Station located 120 kilometres north of Sydney and 40 ...

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**200kWh
Battery Cluster**

NSW govt clears EnergyAustralia's plan for 500-MW battery , Energy

Nov 27, 2024 · Power producer and retailer EnergyAustralia has received the green light for the construction of an up to 500-MW battery complex near its Mt Piper coal-fired power station in ...

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Australia installed 2.5GWh of battery storage in ...

Apr 10, 2024 · Energy-Storage.news' publisher Solar Media will host the 1st Energy Storage Summit Australia, on 21-22 May 2024 in Sydney, NSW. ...

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ACLE awarded construction contract for ...



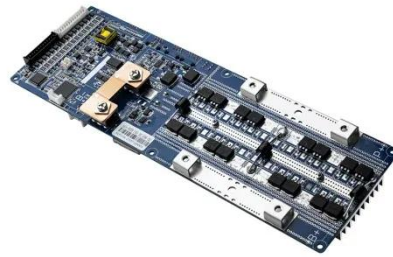
Mar 12, 2025 · Australian renewables contracting firm ACLE Services has been awarded the construction and balance of plant contract for the 130 MWh ...

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BNEF: Australia to reach 18GW of large-scale ...

Mar 28, 2025 · BloombergNEF (BNEF) has found that utility-scale BESS uptake in Australia could increase eightfold to 18GW in 2035, up from 2.3GW in 2024.

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

Oct 24, 2024 · The volume of large-scale battery energy storage projects under construction in Australia passed that of solar and wind projects combined in ...

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Energy transition: Waratah Super battery, Australia's biggest, ...

Aug 5, 2025 · One of the world's most powerful batteries has begun operating at a former coal-fired power station, delivering a boost to the energy grid at a critical time.

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5 days ago · We provide more than 5000 MW in energy for 1.6 million customers. We own and operate energy generation facilities across southern and eastern ...

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Waratah Super Battery supercharges energy ...

Aug 19, 2025 · A new Super Battery now under construction -- one of the largest in the southern hemisphere, supported by cutting-edge converter technology ...

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Quinbrook to Build Advanced Long Duration ...

Mar 5, 2025 · Quinbrook has completed a diverse range of direct investments in

- ✓ LIQUID/AIR COOLING
- ✓ INTELLIGENT INTEGRATION
- ✓ PROTECTION IP54/IP55
- ✓ BATTERY /6000 CYCLES



both utility and distributed scale onshore wind and solar power, battery ...

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Iberdrola advances plans for Sydney big battery

Located in Smithfield, around 30km west of the Sydney CBD, the proposed 72 MW / 260 MWh Smithfield BESS will require an area of up to 2700m². It will ...

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Apr 13, 2025 · SUVE 2025: Australia 's New Energy Electric Vehicle and Charging Station Exhibition The **SUVE 2025** exhibition will take place from **November 13-16, ...**

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Eraring battery third stage approval expands ...

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Southern Hemisphere and destined to be Australia's largest battery energy ...

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Energy transition: Waratah Super battery, Australia's biggest, ...

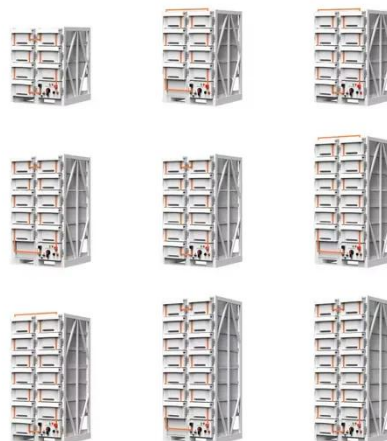
Aug 5, 2025 · United States-based asset giant BlackRock's Akaysha Energy said on Tuesday it had activated the first batch of capacity from its \$1 billion Waratah Super Battery, a project ...

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Australia's big battery boom

Nov 11, 2021 · As Australia enters the big battery era, we take a look at the largest battery storage systems already operating or under construction.

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Smithfield BESS , Iberdrola Australia

The Smithfield Battery Energy Storage



System (BESS) is a 65 MW / 130 MWh battery system currently under construction. The project is located on Darug ...

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Rangebank BESS Project, Victoria, Australia

Aug 14, 2024 · The 200MW/400MWh Rangebank battery energy storage system (BESS) is an energy storage project under construction in Victoria, Australia.



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Waratah Super Battery Project

Apr 29, 2025 · Akaysha Energy are responsible for the construction of a battery energy storage system located at the former Munmorah coal-fired power station that can provide a guaranteed ...

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Eight renewable energy projects under ...

Jul 9, 2021 · The project will consist of 60 MW AC solar PV integrated with a 35 MW

battery storage facility at the Newman gas-fired power station in Western ...

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AMPYR and Shell Energy to jointly develop, own ...

[Sydney, 14 October 2022] AMPYR Australia Pty Ltd (AMPYR) and Shell Energy Australia (Shell Energy) have signed a joint development agreement for a ...

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Ausgrid goes big with two 400 MWh battery ...

Nov 7, 2024 · Sydney-headquartered distribution network service provider (DNSP) Ausgrid is proposing two, battery energy storage systems (BESS), ...

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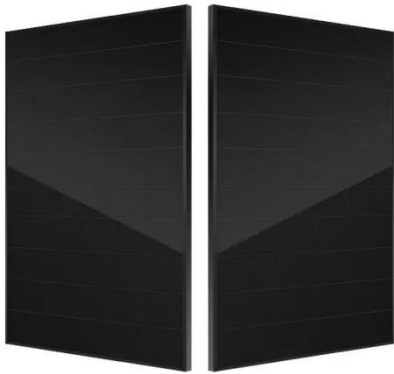


Battery Storage: Australia's current climate

Aug 22, 2024 · As the world shifts to renewable energy, the importance of

battery storage becomes more and more evident with intermittent sources of ...

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Edify Energy submits 80MW solar-plus-storage ...

Mar 31, 2025 · Edify Energy has submitted an 80MW solar-plus-storage project in New South Wales to the Australian government's EPBC Act.

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Australia: 2023 a 'significant year' for utility-scale ...

Mar 13, 2024 · Waratah Super Battery, currently under construction, will be among the world's biggest battery storage projects. Image: Akaysha Energy / ...

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Australia's big batteries: new storage to match ...

May 11, 2022 · Here we offer a comprehensive assessment of the big

battery projects shaping Australia's energy storage future: from major operational ...

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Australia's Origin Energy begins building 240 MW of battery storage

Oct 31, 2024 · Origin Energy has started building the second stage of its AUS 450 million (\$295.7 million), 240 MW/1,030 MWh four-hour duration battery at the Eraring Power Station, 120 km ...

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Australia's shift towards long-duration energy ...

Mar 3, 2025 · PHES is one of the more prominent forms of long-duration storage in Australia, with numerous large-scale projects in development including the ...

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New South Wales approves 2GWh BESS at coal ...

Nov 26, 2024 · As reported by Energy-

Storage.news yesterday (25 November), Australian energy major AGL Energy received approval for its ...

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Fourteen new big battery storage projects ...

Oct 2, 2019 · NSW storage proposals include 14 different big battery projects, a handful of virtual power plants, and a coal mine which wants to install pumped

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