

## SolarInnovate Energy Solutions

# Australian Hospital Energy Storage Project

### Lithium battery parameters

Product capacity: 100Ah

Product size: 135\*197\*35mm

Product weight: 1.82kg

Product voltage: 3.2V

internal resistance: within 0.5



## Overview

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A coalition of nine hospitals is calling for \$1.5 million in government funding for a feasibility study into climate-resilient energy systems, which can keep hospitals running during emergencies. Is Port Macquarie Base Hospital becoming more sustainable?

Port Macquarie Base Hospital is on the way to becoming more sustainable following a first of its kind large-scale battery storage system installation. The 2.25 MWh battery storage system will maximise the benefits from the facility's existing large rooftop solar panel system.

What is the largest hospital rooftop solar system in Australia?

In December 2021, John Hunter Hospital became home to the largest single hospital rooftop photovoltaic solar system in Australia. The installation includes over 5300 solar panels covering 12,000 square metres of roof space. Watch this video to hear more about the project:.

What is EnergyAustralia's energy storage project?

The energy storage project will provide EnergyAustralia with a natural hedge against such market fluctuations and help stabilise energy prices and ensure a more resilient energy supply. "At EnergyAustralia, our purpose is to lead and accelerate the clean energy transformation for all," said EnergyAustralia Managing Director, Mark Collette.

How much energy does a hospital use in Australia?

Total Australian public hospital energy use was stable for the three years (2016/17 to 2018/19) (Table 1 available in PDF). Renewable energy production/purchase increased from 14/ 4,132 GWh to 94/ 4,122 GWh (from 0.3% to 2.3% of power consumed). Australian renewable grid electricity uptake grew by 8.3% (from 15.7% in 2016/17 to 24% in 2018/19).

Which Australian public hospitals use the most energy?

Victoria and New South Wales combined consumed 60% of total Australian public hospital energy (1,288 and 1,206 of 4,122 GWh respectively, 2018/19). Queensland public hospitals consumed 778/4,122 GWh [19% of total energy] and produced/purchased the most renewable electricity (74/778 GWh [9.5%]) of all state public hospitals in 2018/19.

What is John Hunter Hospital Solar Array project?

John Hunter Hospital Solar Array Project was introduced to us by the Facilities Maintenance Unit General Manager Mr. Phil Groulton, who asked Public Works for a proposal to project manage the project. Capacity of the system was over 2.2 megawatts, which is a very large system—5,300 panels. Each panel was 450 watts per panel.

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### Large-scale battery storage investment in Australia reached ...

May 30, 2025 · The first quarter (Q1) of 2025 has seen a surge in investment for large-scale battery storage in Australia, with six projects worth a total of A\$2.4bn (\$1.5bn) reaching the ...

### Hospitals at Risk as Australian Health Workers Demand Energy ...

Apr 16, 2025 · Hospitals across Australia are facing increasing risk around security of their energy supply as climate driven disasters threaten critical healthcare infrastructure. The All-Electric ...



### Wärtsilä will provide a 350 MW / 1474 MWh energy storage ...

Feb 28, 2025 · Technology group Wärtsilä has been contracted by EnergyAustralia to deliver 350 MW / 1474 MWh of capacity to the Wooreen Energy Storage System (WESS) in Victoria, ...

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