



How much does lithium battery storage cost in Australia

How much does a 10 kWh solar battery cost in Australia?

The average price for a 10 kWh solar battery ranges between \$8,000 - \$10,000. While the uptake of solar panels in Australia is really strong, the same cannot be said for solar batteries. A newer technology, battery storage has been viewed as expensive - especially when comparing the payback of a battery system against its expected life.

Are batteries worth it in Australia?

We've been tracking the financial return of batteries in Australia for over a decade and regularly update our analysis of whether batteries are worth it. At the midway point of 2025 was a key turning point in this equation as the federal battery rebate was introduced which offers a discount of around 30% for a typical 10kWh battery.

Will battery storage take off in the residential market?

The growing commercial and grid-scale use of batteries is driving improvements in energy storage technology and reducing prices. But it's yet to really take off in the residential market. With Australia's huge adoption of solar and high energy prices, many believe it is only a matter of time before household battery storage is mainstream.

Is a solar battery worth the cost?

A solar battery works best when it's combating the typical constraints of the grid, such as higher demand in the evenings or more expensive power prices during peak times. Your reliance on grid energy may also play a part in deciding whether solar storage is worth the cost.

How much charge can a lithium battery hold?

Most battery types need to hold some charge at all times to avoid damage. Lithium batteries can be safely discharged to about 80-90% of their nominal capacity. Lead-acid batteries can typically be discharged to about 50-60%, while flow batteries can be discharged 100%. How much power (in kilowatts) the battery can deliver.

How much does a solar battery backup cost?

The cost varies depending on how many appliances you want to backup. As a guide, solar battery backup can add between \$1,500 - \$3,500 to the cost of a battery. Not all solar batteries are made from the same materials. Some batteries have Lithium Nickel Manganese (NMC) whereas others are Lithium Iron Phosphate (LiFePO4) or (LFP).

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