# Solar battery payback

What is the solar battery Payback and efficiency calculator?
The Solar Battery Payback and Efficiency Calculator serves as a tool for individuals and businesses looking to assess the viability and return on investment of solar battery systems. This calculator helps you determine how long it will take to recoup your initial investment and evaluates the efficiency of your solar setup.

How to calculate payback period without solar panel cost calculator?
To figure out payback period without the solar panel cost calculator, we first calculate the true cost of installing solar after incentives have been claimed. Then we compare that against the cost of electricity from the utility company, which tells us how long it takes to break even on the system. Use the formula below:

Can a solar battery save you money?
You save money with a battery by storing your excess solar during the day instead of exporting it to the grid. Then,as the sun goes down,your stored solar energy gets used to power your house instead of grid electricity. For each kWh of stored solar you use,you're saving what you would have spent on your usage tariff: around 30c per kWh.

How much does solar battery storage cost?
If you were to install 5kWh of battery storage to your solar system with an estimated lifetime of 10 years (3,500 cycles) and made use of it each day you would be saving between $1 - $2 a day from not using energy from the grid,that's roughly $365 - $730 per yearalthough the capacity will slowly diminish over the 10-year lifespan of a battery.

Should you buy a battery for a solar panel?
Combine that with the steadily reducing cost of batteries,and batteries have a bright future. But right now,buying a decent-sized battery will add at least $10,000 to your outlay and make your payback worse,not better. If you can fit enough panels on your roof,get at least 6.6 kW of solar panels with a 5 kW inverter.

Should you invest in a battery or a solar system?
It's important to note that whilst batteries are gradually coming down in price, adding a battery won't necessarily benefit your current financial situation like a solar system will. Today's prices (if your state does not offer subsidies or incentives for battery) could have you looking at an expected return on investment in 8-15 years.

The question of whether batteries are worth it and affordable is long debated in the solar industry. Our experts have taken a close look at 3 use cases across the 8 different states and territories to help Australians work out ...

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