

# Lifespan of solar batteries

How long do solar batteries last?

Solar batteries don't last as long as solar panels because they degrade more quickly. A solar panel's main components - aluminium, glass, plastic, and silicon - will all outlast the panel itself, and can be recycled once it's dismantled. A battery's components simply last for less time - though as we've covered above, the technology is improving.

How long do solar panels last?

After all, with solar panels typically lasting 30-40 years, you'll want to know how many battery systems you'll have to buy to match your panels' lifespan. We'll run through the average lifespan of different types of solar batteries, the factors that contribute to these figures, and how you can extend your battery's lifespan.

What happens when a solar battery reaches its useful life?

A solar battery reaches its useful life when it fails to meet its nominated percentage of storage capacity eg. 60%. The battery will continue to degrade, and it may be able to function at lower percentages, but it is deemed to have reached its useful life. Solar batteries degrade far more, and faster, than solar panels do.

How long does a battery last?

Lead-acid batteries (flooded or sealed): These are the most traditional type and also the shortest-lived, typically lasting 3 to 7 years. They're more affordable upfront but require regular maintenance and don't hold up as well over time. When people talk about battery lifespan, they're often referring to "cycle life."

How often should you run a solar battery?

Running too few or too many cycles can be detrimental to your battery's lifespan. A single cycle per day is a normal rate for a household with solar panels, though if you're on one of the best export tariffs, check with your installer if it'd be more profitable to run two cycles.

How long does a lithium battery last?

For example, a lithium battery might be rated for 5,000 cycles. If you cycle it once a day, that gives you roughly 13-14 years of use. But if you're only cycling it every few days, you could stretch that out even further. The depth of each cycle also matters.

Solar batteries can last between 5 to 15 years, depending on the battery type, the installation's quality, and how well you maintain it. It's essential to check your battery's manufacturer specifications for an accurate estimate of its ...

In this blog, we'll take a look at the lifespan of a solar battery, and we'll discuss the factors that impact how long your solar battery will last. How Long Will Solar Batteries Last? Most solar batteries on the market today will last somewhere ...

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