

# The useful life of solar panels





## Overview

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How long do solar batteries last?

How long do solar batteries typically last, and do they require maintenance?

Solar batteries typically have a lifespan of 5 to 15 years, depending on various factors such as the type of battery, usage patterns, and maintenance. They may require some maintenance, such as periodic cleaning and monitoring of the battery's charge and discharge cycles.

How long do solar panels last?

Depending on the solar system you buy (quality), your energy consumption profile and the specifics of your roof (sun/shade), the payback can be as quick as 3 years or as long as 7. But, don't forget, once you have paid off the system you will be generating free electricity for many years to come. And good quality panels last 25 years or more.

What happens if a solar panel has been operational for 10 years?

If a solar panel has been operational for 10 years, its electricity output will have dropped to around 95% of its original production level. The process of degradation in the hydrogenated amorphous silicon used in many solar panels is known as the Staebler Wronski effect.



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