

Kongres Container

Lifespan of Home solar Panels



Overview

Long story short, a solar panel's lifespan is about 25 to 30 years. Its performance naturally declines over time, eventually rendering its "useful life" complete. 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.

How long does a solar system last?

At this rate, it takes approximately 12 years for the system to pay for itself. While 12 years may seem long, the alternative is to continue paying for power infinitely. Another way to calculate ROI is to compare the cost of solar to how much you will save over the 25 year warranty period.

Do environmental conditions affect solar panel lifespans?

Anna Hall, a representative of Blue Raven Solar, states that environmental conditions, manufacturing quality and maintenance all impact solar panel lifespans. A comprehensive research review by Boise State University reviewed dozens of articles on solar panel degradation factors and discovered that environmental conditions were a major factor.

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