



Photovoltaic power generation How long is the warranty period for photovoltaic panels

How long is a solar panel warranty?

Solar panel warranties vary depending on the manufacturer, but in the solar industry, a 10-year product warranty and a 25-year performance warranty are typically considered the minimum standard. However, some manufacturers provide a 25-year product warranty and extend the performance warranty to 30 years. How Much Does a Solar Panel Warranty Cost?

What is a solar product warranty?

Critically, solar product warranties cover manufacturing defects rather than any issues that arise during or after your installation. For a product warranty to remain valid, a certified solar professional may need to handle, install, and maintain your solar panels, inverters, or batteries.

2. Performance warranties

What is a performance warranty on a solar panel?

A performance warranty guarantees a maximum level of degradation- typically between .25% and .75% - per year so that in 25 years the panel will still have 80-90% of the power output it did in its first year. Performance warranties are important for sizing solar systems to maintain 100% offset for 25 years.

What types of warranties cover solar panels?

There are two basic types of warranties that cover solar panels. A product warranty protects you from defects in a solar panel stemming from material quality or manufacturing errors. This is also referred to as an equipment or materials warranty

What warranties does a solar system have?

Today, most home solar energy systems include three primary coverages: product warranties, performance guarantees, and installation warranties.

1. Product warranties

A solar product warranty covers the physical components of your system, such as the panels, inverters, or batteries.

Why do you need a solar panel warranty?

The less solar power your system produces, the more your home may need to draw from the utility company, which eats into your savings. A good solar panel warranty ensures your solar panels maintain a certain level of performance throughout the years, protecting your expected return on investment.

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