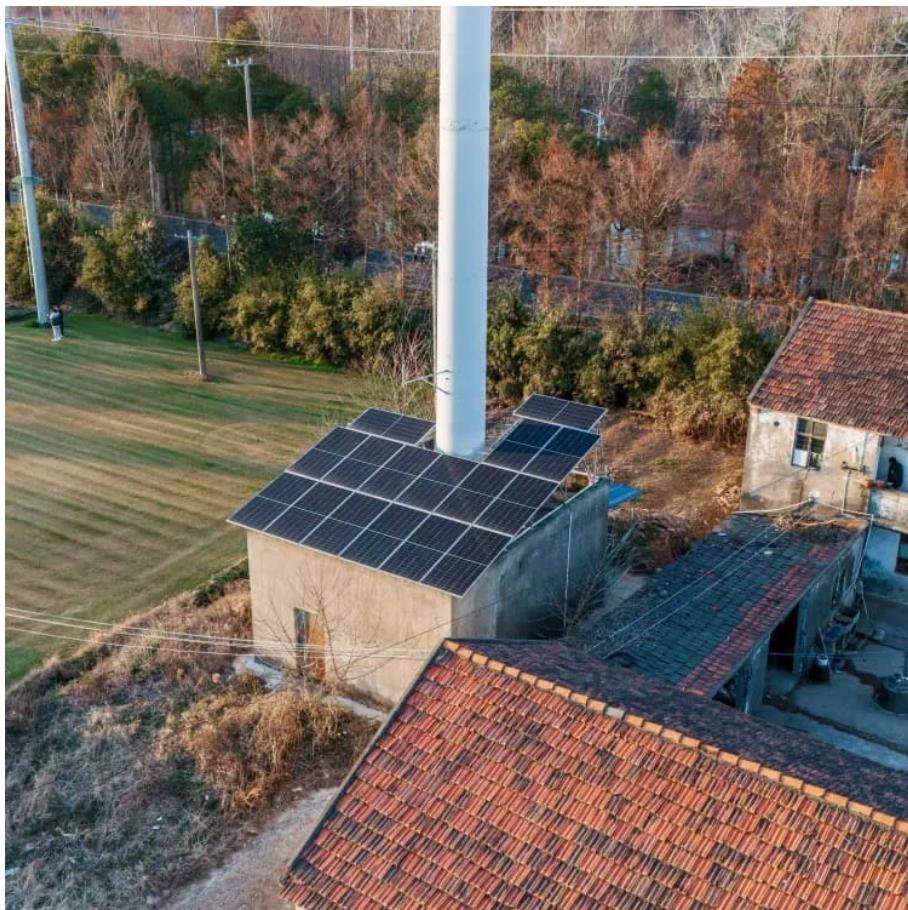




FTMRS SOLAR

How long can solar panels continue to generate electricity





Overview

Do solar panels still produce electricity after 25 years?

Even after 25 years, solar panels can still produce electricity—just at a lower efficiency than when they were first installed. Many homeowners find that their solar energy system continues to provide value well beyond the solar panels' lifespan, making solar power an excellent long-term investment.

How long do solar panels last?

That means after 25 to 30 years, most high-quality panels will still generate around 85–90% of their original output. If your panels' output drops below the level promised in the warranty (for example, below 80% after 25 years), you may be entitled to a repair, replacement, or compensation.

Do solar panels stop working after 25 years?

Solar panels don't suddenly stop working after their lifespan ends. Instead, their efficiency gradually decreases, typically at a rate of 0.5% to 1% per year. This means that after 25 years, your panels may still operate at 75–85% efficiency. Although their energy production will be lower, they will still generate electricity for years to come.

Why do solar panels lose power faster in the first year?

Panels lose power faster during their first year. They typically drop about 2.5% efficiency in the first 12 months before settling into slower yearly power loss. This “initial degradation” happens because of manufacturing variables and installation adjustments.



How long can solar panels continue to generate electricity

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