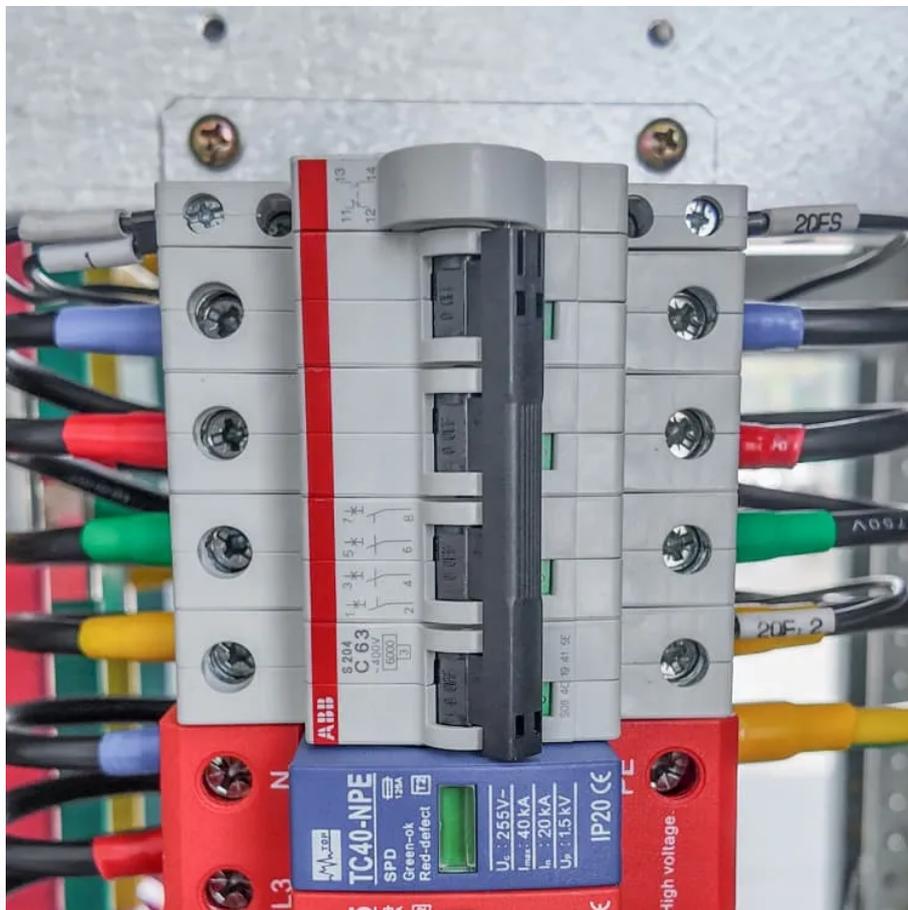


How long is the life of shingled solar panels





Overview

What is a 'lifespan' of a solar panel?

However, “lifespan” doesn’t mean your panels suddenly stop working after three decades—it simply means their solar efficiency has declined to about 80% or lower. Many systems continue generating power well beyond their warranty period, though at a reduced capacity. The key factor here is solar degradation.

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.

When does a solar panel expire?

The “20% rule” refers to the point at which a solar panel has lost around 20% of its original efficiency, usually after 25 to 30 years of use. Panels are generally considered to have reached the end of their warranted life once they drop below 80% of their initial performance.

How long do monocrystalline solar panels last?

Generally speaking, the degradation rate of monocrystalline solar panels is 0.5% per year. This means that, after 30 years, most monocrystalline solar panels on the residential market will produce 87% of their original power output. To learn more about solar, check out our rundown the top 17 facts about solar panels.



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