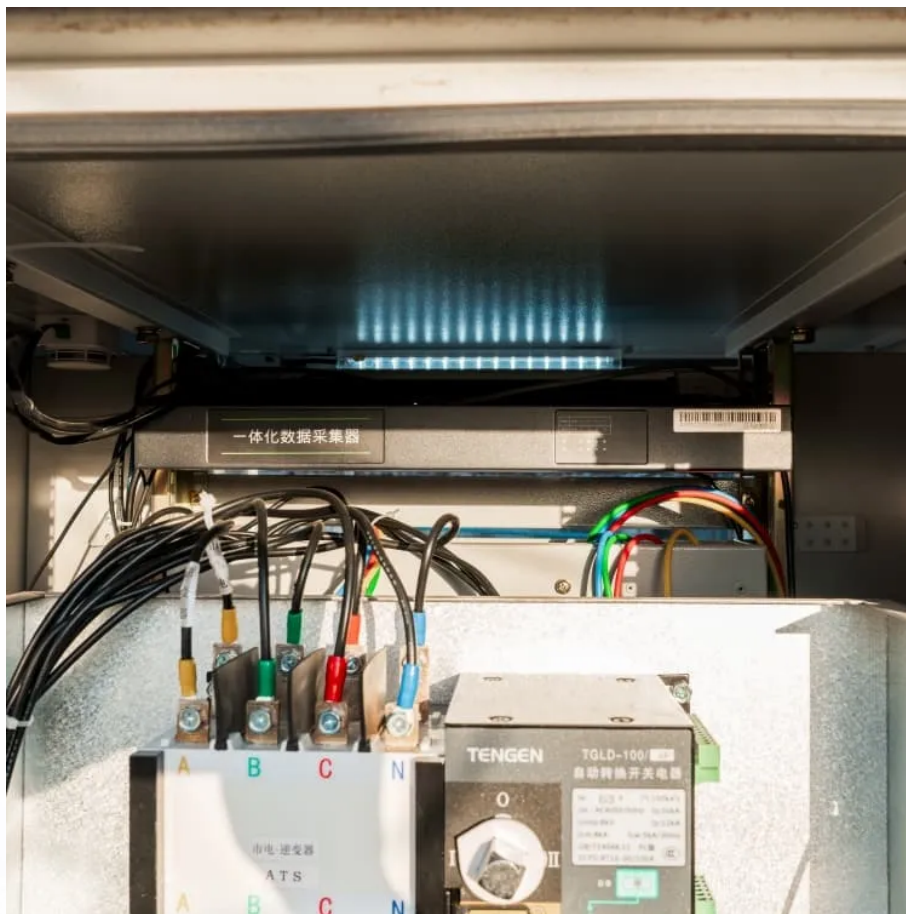


# Solar panels are reliable





## Overview

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Are solar panels reliable?

Solar panels, in general, are very reliable. According to a study, only .05% of PV modules experience failure per year during their lifetime. Where does that number come from?

In 2017, The National Renewable Energy Laboratory (NREL) monitored 54,500 solar panels over 15 years.

How can a solar system be more reliable?

Maximizing reliability in solar systems requires effective maintenance and understanding of components that contribute to energy stability. By adopting proactive energy storage systems and conducting regular inspections, homeowners can ensure optimal efficiency and long-term reliability.

What is solar energy reliability?

Solar energy reliability refers to how consistently and reliably solar power systems make electricity. This includes how well the system works in different types of weather, how long it lasts, and how well it meets long-term energy needs.

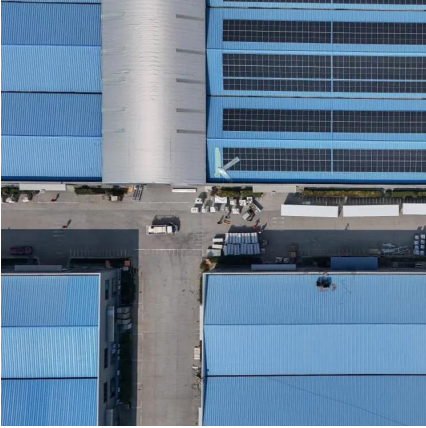
Why is a reliable solar energy system important?

This includes how well the system works in different types of weather, how long it lasts, and how well it meets long-term energy needs. Reliable solar energy systems are important for lowering energy costs, becoming less reliant on fossil fuels, and offering a long-term source of power.



## Solar panels are reliable

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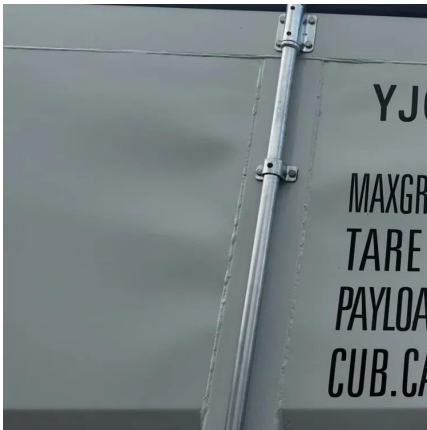
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