

# **Can solar panels be installed on the back of a sloping roof**





## Overview

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Can solar panels be installed on a sloped roof?

A roof with a slope that faces south is optimal for the installation of solar panels, but the roof structure on some homes may not be structurally sound enough to support a solar array. The installer may need to modify the roof or install the panels on a freestanding ground unit rather than on the roof.

Do solar panels need to be installed on a roof?

The installer may need to modify the roof or install the panels on a freestanding ground unit rather than on the roof. Solar panels all generate electricity, but they do so in different ways. The two main types of solar panels are photovoltaic and thermal, and within those categories are a few more (or less) common varieties.

Can solar panels cool down a roof?

Solar panels, when installed onto your roof, absorb enough heat from the sun to cool your roof by up to 5-degrees Fahrenheit.

Do I need a structural assessment before installing solar panels?

Before mounting solar panels, your roof must undergo a thorough structural assessment. Solar panels and mounting equipment add approximately 3-4 pounds per square foot of additional load to your roof structure. Key evaluation factors include: If your roof needs replacement, complete this work before solar installation.



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