

# Flat new solar panels





## Overview

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Installing flat panels rather than ground-mounted systems has significant advantages for solar project developers.

Can solar panels be installed on a flat roof?

Yes, you can absolutely install solar panels on flat roofs. In fact, flat roof installations often outperform sloped roof systems when properly designed and installed. The key is understanding that panels should never be installed completely flat against the roof surface.

What are the different types of flat roof solar panel mounting systems?

There are three primary flat roof solar panel mounting systems ruling the market, and each is suitable for different roof types, climates, and building conditions. Flat roof solar panel installation systems of the ballasted mounting system type are entirely dependent on weight, such as concrete blocks, to keep the racking from moving.

Are flat roof solar panels worth it?

You can optimize your panels' angle and direction on a flat roof to ensure they stay in the sun as long as possible, which can lead to high long-term energy savings. A flat roof solar panel installation is entirely feasible and worth it. You'll just need more racking equipment to ensure your panels face south and are at an optimal angle.

How do solar panels work on a flat roof?

On a pitched roof, installers drill mounting rails into the roof's structure and then clamp the solar panels onto them. On a flat roof, installers often use ballasted systems, which rely on heavy weights like concrete blocks to secure panels without drilling, reducing the risk of leaks.



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