

A-Core Container

Solar power generation for household flat panels



Overview

Can solar panels be laid flat?

Solar panels shouldn't be laid flat. To maximize their time in the sun, solar panels should ideally face south and tilt between 15 and 40 degrees. Most sloped roofs are in this angle range, which makes for an easy installation. But that doesn't mean that flat roofs aren't fit for solar, too.

Do flat solar panels reduce electricity generation?

However, flat panels tend to collect water, dust, and debris, which can reduce electricity generation by up to 10 percent. So if you install entirely flat solar panels, you'll need to perform more frequent cleanings to maximize your generation and savings.

Why should I get solar panels for my home?

There are a handful of reasons to get solar panels for your home, but the biggest one is energy cost savings. Home solar is simply much cheaper than paying for grid electricity, and can lead to tens – sometimes hundreds – of thousands in savings over the warranty period of the panels.

Can solar panels power a home?

Solar panels are used to power everything from calculators to sports stadiums to satellites — and they can just as easily be used to power a home. You don't need to be a rocket scientist – or anything close to it – to get solar panels for your home.

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.

Should you choose solar energy for your home?

Before starting the process of powering your home with solar energy, homeowners should investigate their energy use and consider potential efficiency upgrades. Homeowners should be well aware of their total electricity usage, and consider low-cost and easy-to-implement efficiency measures before choosing solar.

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Contact Us

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