



# What should I do if the photovoltaic bracket is too large

Should you oversize a solar panel by 10-20%?

There's another benefit to oversizing a solar panel system by 10-20%. Most electrical service panels can handle up to 7.6 kW input from solar. However, installing a system larger than this makes the installation more complicated, as you have to either derate the main breaker or tap into the utility line side.

Do solar panels need mounts?

Solar panel mounts are a common component of almost every solar panel array. Although there are newer solar panel technologies coming out that do not require mounts, such as the Lumeta solar module that are being developed, the majority of solar panel arrays on the market and the ones already installed will require this feature.

How big should a solar panel be compared to an inverter?

When designing a solar system, it's recommended that your solar panels should be 10-20% larger than your inverter. In hot climates, this can be extended up to 30% due to greater efficiency losses from heat. For micro-inverters, we usually pair the 290W Enphase IQ7+ with a solar panel in the 320W-350W range.

Should you oversize your PV system?

With oversizing, you will be producing more energy, for more hours during the day getting more out of your PV system. You're maximising the available roof space and the inverter's capability.

How much gap should be between solar panels?

The gap between the last row of solar panels and the roof's edge should be a minimum of 12 inches or one foot. This ensures the panels are accommodated as they expand and contract during the day. See also: [Mounting Solar Panels: A Complete Beginner's Guide to Installation How Much Gap Should Be Between Two Solar Panels?](#)

Do I need to tweak my solar system sizing?

Research the details of your utility's net metering program to see if you need to tweak your solar system sizing to get the most value out of your panels. If you need guidance, reach out to us for a free solar consultation. Our team of expert solar designers can help you size a solar system based on your unique circumstances.

The solar rack is the hardware under the solar module that secures the panel to a surface (roof, ground, pole) in the panel installation. If you don't get this right, then forget it—you are just buying yourself years of trouble. In this learning article, ...

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