



# What does 500w photovoltaic panel mean

What is a 500 watt solar panel?

500-watt solar panels are designed for larger solar installations. Half-cut cell technology is used in 500-watt panels. These modules have an efficiency rating of around 21%. Most 500-watt panels are no more efficient than leading residential panels; they're just larger.

What is a bifacial 500 watt solar panel?

**Bifacial 500-Watt Solar Panels:** Unlike the other two, this solar panel has mono cells attached to both sides. Therefore, it is more efficient than the others and provides up to 22% energy output. For this reason, a 500w solar panel price for the bifacial type is higher.

Are 400 W and 500 W solar panels a good choice?

Both 400 W and 500 W solar panels provide significant savings, especially when paired with a solar inverter, charge controller, solar battery, or other type of energy storage.

Who makes 500 watt solar panels?

At the time of publishing, only a handful of solar companies offer 500-watt panels, including JinkoSolar, Trina Solar, and a few international manufacturers. However, many other brands sell "500-watt solar panel kits," which are actually just multiple lower-wattage devices bundled together.

How much does a 500 W solar panel weigh?

In terms of weight, 500 W panels weigh about 71.2 lbs (32.3 kg) each. That's a lot heavier than the average weight of solar panels of between 40 and 50 pounds. This heaviness means 500 W panels are better suited for commercial uses. For a better perspective, let's compare the size and cell count of residential and commercial solar panels.

Can a 500 W solar panel fit a residential roof?

The large footprint of 500 W solar panels makes them harder to fit into the nooks and crannies of a residential roof. It's usually possible to build a solar power system capable of more maximum power by using smaller solar panels, which are easier to arrange and lay out.

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