



# Pros of solar panels

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What was once a luxury item that only wealthy homeowners could afford is now a cost-cutting measure that average homeowners can't afford NOT to consider. But the benefits of going solar reach beyond energy savings and touch everything from home value to the long-term health of the global ecosystem.

Let's dive to the biggest advantage for most homeowners: energy savings.

As of October 2022, the average price of grid electricity was 16.7 cents per kilowatt hour - up 16% from the year before - while the average cost of solar electricity was around 7 cents per kilowatt hour for systems purchased through solar .

The primary advantage of solar energy is that it freezes your energy costs at a low rate for 25+ years, effectively shielding you from energy price increases. Here's how buying a solar system compares to paying for grid electricity looks for the average American household:

Yes, solar requires a sizeable upfront investment, unless you choose to finance with a solar loan. However, solar systems typically pay for themselves several times over and can yield over \$100,000 in energy savings over their warrantied life.

Calculate how much you could save by going solar.

The second advantage of solar energy is its versatility. While you probably picture solar panels in sunny places like Florida and California, rooftop solar can provide clean energy and utility bill savings in almost every corner of the US.

That's right, solar even works in rainy Seattle, where electricity is cheap and it's overcast more than 200 days per year.

There's a few things at play here. First, solar panels can use both direct and indirect sunlight. So even if it's cloudy, panels can still produce electricity. Second, using net metering or battery storage, you can bank excess solar production from sunny days to offset the times your panels aren't producing.

That also means that solar is suitable for urban, suburban, and rural installations. If you live in a city or a suburb, you can pair solar panels with net metering to offset your electricity bill. If you're rural or off-grid, you can pair solar panels with battery storage to create your own miniature utility.

Solar can also be installed on a variety of roof types or standalone configurations. The one thing to look out for is shading. If you have tall trees or building surrounding your home, solar may not be the ideal investment.



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It's hard to overstate the environmental advantages of solar energy and how crucial it is to both curbing and preparing for the effects of climate change.

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