



# Adding solar panels to your home

Can I add solar panels to my existing solar system?

It's relatively easy to add panels to an existing system; many of the more difficult steps, such as tying your system to the grid, will already be complete. You can explore several options for a system upgrade, depending on your available roof space and the specifications of your solar system.

Should I add solar panels or battery storage to my home?

Most homeowners don't know what their energy needs will be in 10 years. Having the option to add additional solar panels or battery storage to your system down the road can give you the peace of mind that you've invested in a home solar system that benefits you now and in the future.

Should I add more solar panels to my home?

You've expanded your home. If you add an extra room or two to your home or refinish a basement or garage, your electricity bill is likely to increase as well. Adding more solar panels can minimize the financial sting of your home expansion. Furthermore, additions often provide additional roof space for mounting another solar rack.

Should I add a solar energy system to my roof?

You may be considering the option of adding a solar energy system to your home's roof or finding another way to harness the sun's energy. While there's no one-size-fits-all solar solution, here are some resources that can help you figure out what's best for you. Consider these questions before you go solar.

How do I get more solar panels on my roof?

Working with your original solar installer is the best way to get more panels on your roof. Your initial installer will be comfortable with your system, know which permits you must apply for when adding panels, and what equipment will pair best with your existing system.

Can I add more solar panels if my roof is old?

Do not add more solar panels to your system if your roof is old, it is a leased system, or if you do not have enough roof space for extra panels. Contact your original solar installer to add more panels to your system.

Why add solar panels to an existing solar system?

**Key Takeaways.** Some of the solar energy pros are: renewable energy, reduced electric bill, energy independence, increased home resale value, long term savings, low maintenance.

Solar panels weigh between 15 and 30kgs, so you'll need to make sure that your roof can support the added weight and space. What we do. If you're interested in adding more solar panels to your solar installation, we're here to help. Simply fill out our contact form. One of our Technical Account Managers will soon be in touch to discuss ...



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**Local energy costs:** The cost of electricity in your area can also influence how much solar panels add to your home's value. Based on U.S. Energy Information Administration data, residential ...

**Do solar panels save you money?** Solar panels save you money over time. The standard amount of time it takes for solar panels to pay for themselves is between six and ten years, although this varies widely. While solar installation can be expensive (up to \$40,000 for large projects), utility savings, tax breaks, and government subsidies help offset the cost.

In contrast, our 8kW DIY solar kits currently range from \$10k-\$15k depending on the components selected. So, after factoring in taxes, shipping, and associated costs, you could save more than \$10,000 on your solar project by installing the system yourself. So what does it take to install your own solar panels?

For homeowners who purchased a home with solar panels--or perhaps installed a system that they've outgrown--there's a pressing question: Can you add to what you already have? Vikki M. Kumar, Panasonic energy storage and solar systems engineer, says that while you can expand an existing PV setup, there are some conditions.

**How much value do solar panels add to a home?** To make sure your home and property value are seeing a bump in pricing from your solar panels, include specific details about improved energy costs in ...

**Adding value:** Adding a solar system to your home can also add value directly. It's a value-producing asset that may make your home more valuable in the marketplace, should you decide to sell. This makes sense, of course. If your home is largely similar to other homes in your neighborhood, but uses 50% less electricity, it's cheaper to own.

The excess power your panels create charges your batteries first, and then any additional electricity goes to the grid. When the sun goes down--or the grid goes down--you draw power from the batteries. In general, a battery backup designed to power the whole house will double the cost of your solar system, Pearce says.

Owning rooftop home solar panels can help you stay in control of your monthly electric bill and build long-term financial gains for your household. ... In 2015, the Department of Energy said the average homeowner adding a solar energy system could net \$15,000 more at the time of sale than a comparable home without solar power. 14 ...

Adding solar panels to your existing system aligns with the goals of environmental sustainability and can make a positive impact on future generations. 4. Financial Incentives ... tax liability. Additionally, local utility companies and state programs may offer rebates or incentives for integrating solar power into your home. Exploring these ...

Add a second solar PV system along with batteries - If your existing inverter is still relatively new (e.g. less



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than 5 years old), it might make sense for you to add a brand new solar system in parallel with your existing one. This second system could include a hybrid inverter which manages both the new solar plus the batteries, but in this ...

When considering adding new solar panels to your existing system, there are several factors to keep in mind: ... Your Home Energy Needs and Rooftop Space. The number of additional panels required for your system depends on several factors, including your post-solar electricity bill, geographical location, equipment, and system design. If you ...

Installing solar panels helps homeowners reduce their carbon footprint and energy costs. Those long-term savings translate into added value for your home. According to the Appraisal Journal, your ...

Do solar panels increase home value? They certainly can. Find out your potential savings and the pros and cons. ... Owned solar panel arrays tend to add value to a home while leased ones can have ...

A solar system with a battery can help you power your home during an outage or blackout. Overall, solar panels add stability and flexibility to the electricity you get from the grid.

Can you add solar panels to an existing system? The short answer is, most likely yes. The longer answer depends on why you want to add more solar panels. Narrowing this down will help determine if you can add to, or ...

Use end-clamps solar panels at the end of the rail; they keep the panel in place but are less visible from the ground. With the solar panels ready, it's time to connect them to the house. For this you will need to install: The conduit will carry the wires from the roof junction box down to the external junction box.

Will Solar Panels Add Value To Your Home? The amount of value that solar panels will add to your home depends on several factors. An experienced, local solar contractor can help you determine if your home is right for solar, based on your roof's orientation, shingle material, and shape. Other determining factors about solar panels' value include:

Depending on the age of your home solar system, you may need or want to upgrade some components to achieve your desired expansion. ... the aesthetics achieved by working with a single company that may be able to maintain a similar overall appearance when adding on new solar panels. If your initial installation experience did not live up to ...

Adding more solar panels to your system can help increase energy production, reduce electricity costs, and make your home or business more sustainable. This step-by-step ...

Key Takeaways. The national average for solar panels costs about \$16,000. Customers can pay by cash, solar loans, leases and PPAs. If you paid \$16,000 for solar panel installation and used the 30% ...



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Installing solar panels on your roof doesn't just save you money on your electric bill -- it also increases the value of your home. Most people tend to think of more traditional home improvements like a kitchen or bathroom renovation when they consider ways to improve the resale value of their house, but going solar is a reliable way to increase your sale price, make ...

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