

# How much does a new 545 watt solar panel cost

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How much does a solar system cost?

This is higher than the average price of residential solar power systems across the United States, which is currently \$3.00 per watt. The size of a solar panel system also plays a role in how much the installation will cost. Larger solar installations typically have a lower cost per watt because the panels can be purchased at a 'bulk price.'

How much does a 5 kilowatt solar system cost in New York?

You'll pay an average of \$14,608 to install a 5 kilowatt solar panel system in New York, before incentives. The federal investment tax credit (ITC) lowers that price by 30% of all your solar equipment and installation costs.

Why trust EnergySage? As subject matter experts, we provide only objective information.

How much do solar panels cost in New York?

As of January 2025, the average solar panel system costs \$2.92/W including installation in New York. For a 5 kW installation, this comes out to about \$14,608 before incentives, though prices range from \$12,417 to \$16,799. After the federal tax credit, the average price drops by 30%. You'll probably pay even less than what we show here.

How much does a solar system cost in 2025?

Switch to solar with a system built for you. Solar panels generate "free" electricity, but installing a system still costs money. A typical American household needs a 10-kilowatt (kW) system to adequately power their home, which costs \$28,241 in 2025. That price effectively drops to \$19,873 after considering the full federal solar tax credit.

If you enter your details into the solar calculator below, you will get a solar cost and savings estimate and find out how much solar panels will cost for your home based on current offers ...

As of 2025, the average solar panel installation cost per watt ranges from \$2.50 to \$3.50, including equipment, labor, and permitting. While larger systems require a bigger ...



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To calculate how many 545-watt panels you need, multiply the panel wattage by the peak sun hours in your area and subtract 25% for energy losses. That's how much ...

Let our team find suppliers for you, for free!

The installed price per watt typically ranges from roughly \$1.20 to \$1.80 for premium 545W installations in many markets, depending on BOS configuration, project type, ...

Competitive Total Cost of Ownership: Despite higher upfront panel costs (\$180-\$240 per panel), 545W systems often provide superior value through reduced installation ...

As of December 2025, the average solar panel system costs \$2.79/W including installation in New York. For a 12.19 kW system (the average system size in New York), this ...

The Amount of Electricity Your Home Uses  
The Type of Solar Panels You Buy  
The Quality of Your Solar Installation  
Federal, State, and Local Solar Incentives  
Homes that use more electricity will need more solar panels to cover their energy needs. Although solar panels do get cheaper on a per-watt basis, the overall cost of the system will increase as more panels are added. However, the higher a home's energy usage, the more solar panels can save homeowners energy bills. See more on solarreviews SolarFeeds

The average 6-kW residential solar panel installation is \$17,852 before incentives. Learn about cost factors, financing options, tax breaks and more.

The price of a 545 solar panel typically ranges between \$150 and \$450, depending on factors such as brand, efficiency, and market demand. Quality can signifi...

Compare 3+ quotes from reputable solar companies detailing all parts of the installation, the number of watts per panel, the cost per watt, and any incentives or rebates ...

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