

ContainerPower Energy Solutions

Solar panels for residential use and prices



Overview

How much do solar panels cost on average?

As of 2025, the average cost of residential solar panels in the U.S. is between \$15,000 and \$25,000 before incentives. This typically translates to about \$2.50 to \$3.50 per watt of installed capacity (more on price per watt below).

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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.

Solar panel costs range from \$16,600 to \$20,500 for the average 6.5 kW system, but prices can vary from as little as \$7,700 for smaller solar systems to upward of \$34,700 for larger systems. To find the most up-to-date solar panel costs in 2025, we compared research from the U.S. Department of

The cost of installing solar is far less intimidating when you understand the various components, how savings are generated, and different ways to lower your cash outlay through financing. In this article, we’ll explore: Do solar panels really save you money?

As always, our goal is to empower you.

Solar panels cost \$1,200 per panel, depending on the type of panel, home size, energy usage, and labor. Clicking “Get Your Estimate” submits your data to All Star Pros, which will process your data in accordance with the All Star Pros Privacy Policy. Compare Companies Average Cost Key Factors Cost.

Solar panel installation costs a national average of \$18,180 for a 6kW solar

panel system for a 1,500 square ft. home. The price per watt for solar panels can range from \$2.50 to \$3.50 and largely depends on the home's geographical area. Residential solar panels are usually sized between 3 kW and 8.

As a homeowner eyeing solar, you wonder: Will the upfront hit pay off?

Good news, the average residential solar system costs \$20,000 to \$30,000 before perks, dropping to \$14,000 to \$21,000 after incentives. In this guide, we'll break it down, show real savings paths, and share steps from our.

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