

# How much does 6 kilowatts of solar energy cost

With the average cost of solar about \$3.00 per watt as of January 2023, a 6kW solar system in the US can cost around \$18,000 before taking into account federal tax credits or other incentives.

How much does a 6 kW solar system cost? On average, a 6 kW solar panel system costs \$15,900, according to real-world quotes on the EnergySage Marketplace from 2025 data.

In this article, we consider a standard 6kW rooftop solar arrangement to understand how much it might cost and whether such a system is enough to meet your energy needs.

A 6kW system will cost \$15,600 on average and produce between 400-900 kWh of power a month, which can cover most home electric bills.

How much does 6 kilowatts of solar power cost? 1. The cost of a 6-kilowatt solar power system typically ranges from \$12,000 to \$18,000, influenced by multiple factors such as system components and ...

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.

How Much Does a 6 kW Solar System Cost? Using our internal solar calculator, we've found the average 6 kW solar system costs roughly \$19,980, which comes down to \$13,986 after applying the federal ...

Solar panels cost \$3.00 to \$4.50 per watt installed on average, with homeowners spending about \$3.75 per watt before factoring in available solar incentives. A 6- to 10-kW solar panel installation costs ...

How much does a 6-kW solar system cost? Nationwide, the average cost of a 6-kW solar system is right under \$18,000, (without the federal solar tax credit which expired at the end of 2025).

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For example, the average cost of a solar system purchased through solar is 6-8 cents per kWh, depending on the size of the system, type of equipment, and local incentives.

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