

ContainerPower Energy Solutions

Current price of 1 watt solar panel



Overview

Expect the cost per watt to be between \$2 and \$3. As of publishing, the average cost per watt is \$2.84. Most solar companies set the price according to the solar system's wattage. A solar installation's "cost per watt" is a little like the "price per square foot" when you buy a house. How much does a solar system cost per watt?

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How much do solar panels cost?

The price of solar panels changes depending on where you live, but the average for installation is just under \$29,000 or \$2.75 per watt. On the high end, we talked to a solar customer in Hawaii who spent \$100,000 going solar. Dion in Nevada said their 10-kW system cost about \$20,000, which is about the national average price for a 7-kW system.

How much does a 6 kW solar system cost?

You'll pay \$4,200 to \$6,000 to set up a 6 kW system. Concentrated photovoltaic (CPV) panels are \$0.80 to \$1.10 per watt. While not as well-known as other types of panels, CPV panels are highly efficient and may grow in popularity. A 6 kW solar system would cost \$4,800 to \$6,600.

What is the relative cost of solar energy?

Another measure of the relative cost of solar energy is its price per kilowatt-hour (kWh). Whereas the price per watt considers the solar system's size, the price per kWh shows the price of the solar system per unit of energy it produces over a given period of time. $\text{Net cost of the system} / \text{lifetime output} = \text{cost per kilowatt hour}$.

How much does solar installation cost?

Installation labor accounts for only 5.5-7% of total cost (\$1,375-\$2,500 for average systems), while soft costs represent 40-50% of total investment: Solar costs vary significantly by location due to labor rates, permitting requirements, market competition, and local incentives.

How much does a monocrystalline solar system cost?

Monocrystalline panels are highly energy efficient and, as such, cost the most at \$1 to \$1.50 per watt. Outfitting a 6 kW solar system costs \$6,000 to \$9,000. Polycrystalline panels cost \$0.90 to \$1 per watt. You can tell them apart from other panels because they're blue.

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