

ContainerPower Energy Solutions

How much does 93 kilowatts of solar energy cost



Overview

How much does a solar system cost per watt?

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. It helps compare the value of solar energy systems in different sizes.

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. $\text{Net cost of the system} / \text{lifetime output} = \text{cost per kilowatt hour}$.

Why is solar energy cost per kWh important?

For one, the cost per kWh can be informative because it allows you to compare the cost of solar to your utility costs. The solar energy cost per kWh can also help you compare two system proposals because two systems of the same kW size could produce different total kWh because of design choices.

How many kilowatts does a solar system use?

Solar systems are sized in kilowatts (kW) and are typically designed to offset 100% of your average annual electricity usage. For reference, the average U.S. household consumes 10,000 kWh of electricity per year and, with average sunshine, would need a 7.5 kW solar system to offset their electricity charges. Is the price of solar panels falling?

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How much does a 12 kW solar panel cost?

The average cost of an 12 kW solar panel installation on EnergySage is

\$29,649 before available incentives. You'll typically save anywhere from \$27,000 to \$110,000 over 25 years by going solar. Solar panels are just 12% of the total cost of a solar panel installation.

How much does solar cost per square foot?

The average system cost only drops by \$1,000 and the cost per square foot increases to \$12.83. Installing less solar will lower your cost but on a non-linear basis as there are a lot of fixed costs for installers to design, permit, and install your system.

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