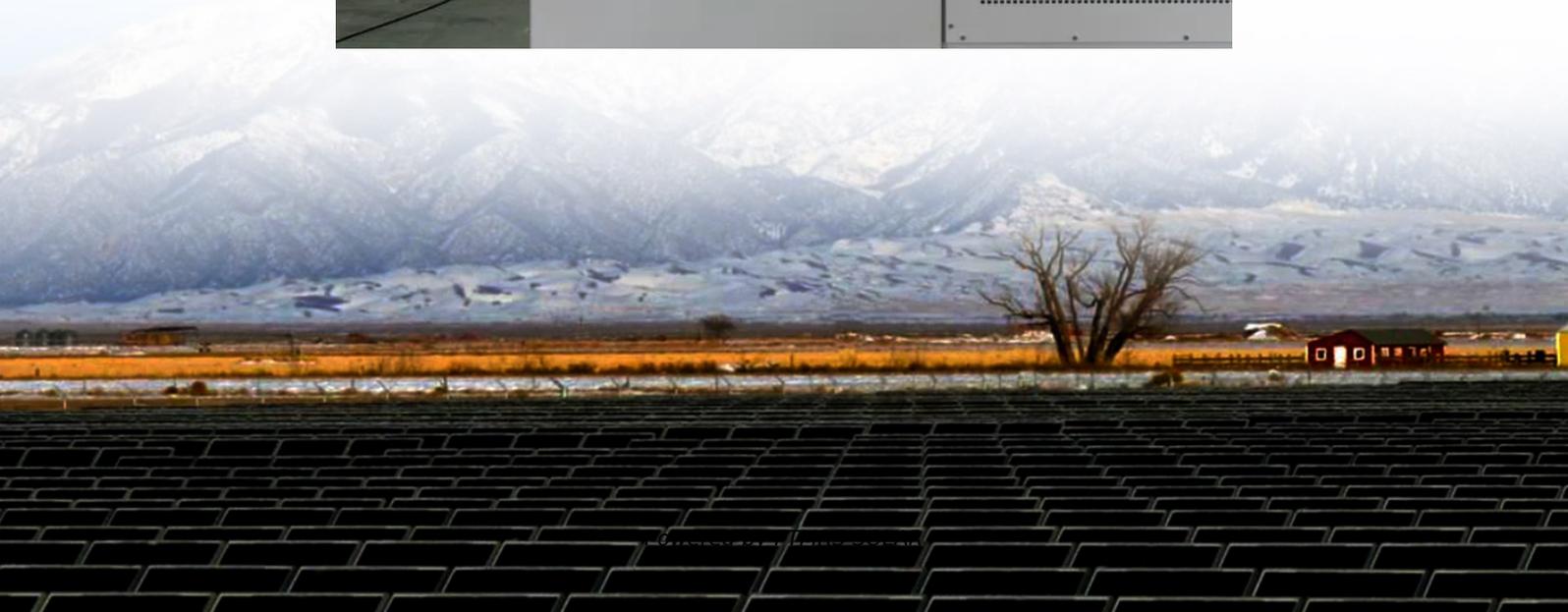


# How much does a 5KW solar power generation system cost





## Overview

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On average, a 5 kW solar panel system costs \$13,550, according to real-world quotes on the EnergySage Marketplace from 2025 data. How much does a 5kW Solar System cost in China?

Prices have dropped significantly, but quality varies widely across suppliers and system types. A complete 5kW solar system in China costs ¥15,000-¥30,000 (\$2,100-\$4,200), with Tier-1 panels from Longi or Jinko at ¥0.9-¥1.3 (\$0.13-\$0.18) per watt. Installation adds 10-20% to the total price.

How much does a 5 kW solar panel cost?

On average, a 5 kW solar panel system costs \$13,550, according to real-world quotes on the EnergySage Marketplace from 2025 data. However, your price may differ—solar costs can vary significantly from state to state. The table below should give you an idea of what you can expect to pay for a 5 kW solar panel system in your state.

How much electricity does a 5 kW solar system generate?

A 5 kW solar panel system generates approximately 7,260 kWh of electricity each year. That's enough to keep 132 TVs running, power 5 refrigerators, or meet the energy needs of a small household (the average U.S. shopper on EnergySage needs about 12 kW of solar).

Can a 5kW solar system save money?

So, you will make significant savings if your energy consumption is moderate or less than average. However, a 5kW solar system might not be sufficient for a household with high energy consumption. Even then, you can partially offload your energy needs to solar and still reduce charges on your utility bills.



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