



# Cost of tesla solar roof and battery

How much does a Tesla Solar Roof cost?

The cost of a Tesla Solar Roof can be prohibitive, depending on the size of your roof, how much power your home needs and the condition of your current roof. Installing a 12.57 kW Tesla Solar Roof costs an average of \$154,000, including roof replacements costs and two Tesla Powerwalls. This is the price before incentives.  
TOTAL EST. COST

How much does it cost to install Tesla Solar shingles?

Here are some things that have the most significant impact on the cost of installing Tesla solar shingles: A Tesla Solar Roof installation costs about \$16 per watt of solar installed, whereas traditional solar panels cost about \$3.03 per watt. Let's examine some differences between the Tesla Solar Roof and a conventional solar installation.

Is a Tesla roof worth it?

Because of the Solar Roof's high price and design, a Tesla roof isn't worth it for most homeowners who want to go solar. Even Tesla CEO Elon Musk said Tesla's solar shingles are " a premium product " in the company's 2024 Q4 earnings call.

Is a Tesla Solar Roof a good investment?

The Tesla Solar Roof is not a worthwhile financial investment. The savings generated by the Solar Roof won't recover the installation cost, and in almost every scenario, installing solar panels and getting a conventional roof replacement is cheaper.

How much does a solar roof cost?

Simple roofs - \$14.50 per square foot: Single-level roofs with a low roof pitch, minimal obstructions, and an uncrowded mounting plane. A Tesla Powerwall battery will cost you around \$11,500 per unit in 2025. You don't need one for your Solar Roof to work, but adding a Powerwall makes your home much more energy-independent.

How much does a Tesla Powerwall battery cost?

A Tesla Powerwall battery will cost you around \$11,500 per unit in 2025. You don't need one for your Solar Roof to work, but adding a Powerwall makes your home much more energy-independent. Each Powerwall holds 13.5 kWh of power -- enough to keep your fridge, lights, and essential outlets running for about a day if the grid goes down.



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