



Bishkek tesla solar roof

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The Tesla Solar Roof is a first-of-its-kind alternative to solar panels installed atop your roof. Instead of panels, the roof contains glass solar tiles (among regular roofing tiles) that harness energy from the sun to power your home.

While they look sleek and come with an extensive warranty, a Tesla Solar Roof costs considerably more than the best solar panels we researched --and may not be worth the investment for some homeowners. Featured Partners

Tesla Solar Roofs include a combination of solar glass tiles and corrosion- and weather-resistant steel tiles. The amount of solar versus. regular tiles needed for a roof can vary depending on your energy needs, roof design and roof size, but 35% solar tiles is a good estimate. (That's three or four solar tiles for every six or seven steel tiles.)

In addition, at least one Powerwall is required with a Tesla Solar Roof installation. A Tesla Powerwall battery costs a minimum of \$11,500 for a single unit, though the price per unit goes down as you add more to your order.

In addition to the tiles, other roofing materials (vent covers and ridge caps) and Powerwall, your Tesla Solar Roof cost will include a Tesla Solar Inverter and the roof installation labor, which can vary depending on where you live and whether your current roof needs to be replaced.

In addition, taller, larger homes typically require more energy, so you may need a larger percentage of your roof to consist of the more expensive glass solar tiles, and you may need to purchase more Tesla Powerwall batteries.

Tesla requires a Tesla Powerwall with every Solar Roof installation. The energy capacity of a single Powerwall is 13.5 kWh. Tesla will analyze your home and energy consumption to determine if you'll likely need additional Powerwalls, at an additional cost.

Tesla will complete an on-site assessment before finalizing your quote for a Tesla Solar Roof. During this assessment, Tesla looks for several "complexity factors," including the mounting planes, pitch and obstructions of your roof.

For instance, American Home Contractors, one of Tesla's Certified Installers, says that a traditional 6/12 roof pitch would come with typical pricing. Steeper roofs--such as those with an 8/12+ pitch or a 16/12+ pitch, will be more expensive to install.



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Theoretically, you might not have to pay to replace your roof before installing a Tesla Solar Roof. Tesla says it will install its solar roofs on top of some single-layer roofs. In most cases, however, you'll need to have your roof removed.

In all our Tesla Solar Roof cost calculations in this guide, we've assumed the existing roof is being removed, so this cost is already built into our estimates. On average, replacing a roof costs \$11,500. The removal itself is generally \$1 to \$5 per square foot.

You'll need to get a permit when installing a Tesla Solar Roof. The cost of a building permit varies by municipality, so check with your local codes to see what permits are required and how much they'll cost.

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