



# Average cost to charge a tesla

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With a bit of math, it's dead easy to figure out how much does it cost to charge a Tesla. Obviously, the charging cost of all Tesla Models (Model 3, Model S, Model Y, Model X, Cybertruck) depends primarily on electricity price per kWh (home charging is the cheapest, and Supercharger is the most expensive).

We are going to show you exactly (to a cent!) how much does it cost to charge any Tesla. On top of that, you can use Tesla Charging Cost Calculator yourself to estimate the cost automatically and consult 4 Tesla Charging Charts (full charge, supercharging, home charging, public station charging) further on.

Update: Due to absurdly high costs of electricity in 2022 and 2023, the cost to fully charge a Tesla Model 3 Long Range at home increased from \$11.25 (\$0.15/kWh prices) to over \$20 (due to electricity prices spiking over \$0.30/kWh), for example. Fully supercharging Model 3 Long Range can cost \$37.50 in the US (about \$0.50/kWh prices) and \$45.00 in Europe (about \$0.60 electricity prices).

Obviously, charging a Tesla is like charging any other big battery. There are only these 3 factors that you need to account for when calculating Tesla charging cost (these are the 1st, 2nd, and 3rd sliders in the calculator further on):

To calculate the charging cost, we just use this Tesla charging cost equation:

Example: How much does it cost to supercharge a Tesla Model 3 Performance from 10% to 90% at a \$0.60/kWh Supercharger electricity cost? Simple. Model 3 Performance has a 75 kWh battery, we have 80% charging percentage, and a \$0.60/kWh electricity price. Just insert the numbers in the equation like this (the calculator further on does this automatically):

In short, we have to fill 80% of that 75 kWh battery; that's 60 kilowatt-hours of electricity. At \$0.60/kWh, these 60 kWh of electricity will cost \$36.00. That means will cost \$36.00 to charge a Tesla in this example.

Using these 3 factors, we are going to look at how much does it cost to charge all Tesla cars (Model 3, Model Y, Model X, Model S, Cybertruck). We have calculated exactly:

First of all, however, we will start this easy-to-use Tesla Charging Cost Calculator that you can use yourself:

To calculate how much you will pay for charging a Tesla, insert the Tesla model (this is the #1 factor: Battery Size), charging percentage (this is the #2 factor: Charging Percentage), and the electricity price (this is the #3 factor: Price Of Electricity):



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This calculator is dead easy to use. Here's just one example:

Let's say that you want to know how much it is to fully charge a Tesla Model S at Supercharger. In the 1st slider, choose Model S (100 kWh battery), slide the 2nd slider to '100'; since we are charging from 0% to 100%, and you can use the average Supercharger electricity cost of about \$0.50 in the 3rd slide.

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