



# Best wire for tesla charger

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That will allow you to consolidate all other loads in this area to this sub panel - which I remind you is legally required if this is an outbuilding! If there is an existing sub panel and it has enough spaces, just enlarge its feeder. Otherwise hey -- panels are cheap. Unfortunately most people chintz out on panel spaces, so most subpanels are full. I don't fool around, I think 24-30 spaces is a fine panel size for a garage. Spaces are cheap.

So now it's just down to wires. One of the nice thing about subpanels is they have lugs appropriate for aluminum wire (made of aluminum actually). So that lets us run aluminum feeder, which saves a fortune.

You can also run aluminum without a sub panel, just to the Tesla Wall Connector. For this your minimum size is #4 aluminum (65A). You would need to use three Polaris connectors to "pigtail" the aluminum wire to copper wire, since in a glaring oversight, Tesla failed to make their Wall Connector lugs compatible with aluminum. I guess they figure you're buying an \$80,000 car...

If you want to do the sub panel as in option #1, and use copper feeder, well, it's wasted on the sub-panel's aluminum lugs (AL lugs are the universal donor, playing well with Cu). But if you really want to, take the sizes above, subtract 2 numerical sizes (#2 becomes #4) and triple the price LOL.

Looking to install a Tesla Wall Charger but not quite sure what gauge wire you need? Don't worry, we've got you covered! The answer to "what gauge wire for Tesla Wall Charger" lies in understanding the power requirements of your charging station. By selecting the appropriate wire gauge, you can ensure efficient power transmission and avoid any potential hazards. In this article, we will walk you through everything you need to know about choosing the right gauge wire for your Tesla Wall Charger installation. So let's dive right in!

When it comes to installing a Tesla Wall Charger, one important consideration is the gauge of wire to use. The gauge of the wire determines its capacity to handle the electrical load and can greatly impact the charging efficiency and safety of your Tesla vehicle. In this article, we will delve into the world of wire gauges and help you determine the right size wire for your Tesla Wall Charger installation.

Before we dive into the specifics of wire gauges for Tesla Wall Chargers, let's start by understanding what wire gauge actually means. Wire gauge refers to the diameter of the wire and is denoted by a number. The higher the number, the smaller the wire diameter. For instance, a 10-gauge wire is thicker than a 12-gauge wire. Wire gauges typically range from 18 to 2/0, with 2/0 being the thickest.

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