



Sierra leone tesla powerwall

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Both batteries have the same 13.5-kWh capacity and come packaged with the same warranty. The Powerwall 3 has twice the power output of its predecessor and comes with an integrated inverter. It does cost a bit more than the Powerwall 2.

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Both Powerwall models are pretty similar in this category. They both store up to 13.5 kWh (usable), which is a common size among home batteries. These batteries don't feature a modular design either, meaning you're locked in at one capacity option per battery. If you need more than 13.5 kWh, you'll have to buy another Powerwall.

Round-trip efficiency is a measure of how much energy moves in and out of storage without getting lost in the process, usually as heat. Both Powerwall models have typical round-trip efficiency ratings. Powerwall 3 is 89% and Powerwall 2 is only slightly higher at 90%. It's nothing to split hairs over.

Lastly, we get to depth of discharge. Put simply, depth of discharge is the percentage of your battery's capacity that you're actually able to use relative to its maximum amount. Both Powerwall batteries have a 100% depth of discharge. You can't do better.

There's not much competition in this category. Both batteries have the same warranty, so you're not missing out on better coverage with one or the other. Tesla offers one of the better warranties we've seen for home batteries. Here's what you get.

The 10-year coverage is nothing to get excited about. That's the industry standard. The capacity guarantee here is standard as well. Because your battery's overall capacity deteriorates over time, manufacturers will guarantee that your battery will still retain up to a certain amount of its original capacity by the time your warranty expires. In this case, Tesla guarantees that your Powerwall will retain up to 70% of its original capacity after 10 years. But again, this is very standard.

What you should be excited about is the unlimited cycle coverage. Battery cycles are one of the ways manufacturers measure the lifespan of the battery. Every time your battery charges and discharges, it completes a cycle. The amount of cycles the manufacturer guarantees it will complete is its cycle life. In most cases, once you've cycled your battery beyond its designated cycle life, your warranty will end, even if you still have a few years of coverage left. Unlimited cycles means there's no limit on how much or how often you use your battery.

Both Powerwall models are actually on the cheaper side for what you're getting. The Powerwall 3 currently costs around \$13,500. This includes the gateway and other accessories but does not include the cost of installation. The Powerwall 2 goes for a bit cheaper, at around \$8,100 to \$8,400. Expect to pay between \$2,000 and \$3,000 for the installation.

Powerwall 2 is the budget pick here, but it's still not a bad battery. And even though the Powerwall 2 wins this category for its cheaper price, the Powerwall 3 is a pretty good deal too. You're getting the same 13.5 kWh capacity with both batteries, and Powerwall 3 has double the power output and a fully integrated solar inverter. You should also consider the fact that we don't know if or when Tesla will phase out the Powerwall 2. Keep in mind that these systems aren't compatible with one another. You can't mix and match. ; ;

If price is a serious concern, you should be able to get the Powerwall 2 for around a thousand dollars cheaper than the Powerwall 3. Powerwall 2 is also a better option if your energy needs exceed 54 kWh. But again, this is pretty unlikely. ;

Much like with any other battery, the best battery for your home is one that fits within your household's specific energy needs and budget. We recommend looking at a few other options besides the Powerwall and getting quotes from several installers in your area before making a final decision. This could end up saving you thousands in the long run. ;

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