

# Tacoma solid state battery





## Overview

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Will the 2024 Toyota Tacoma have a battery?

Toyota's next-generation battery talks are finally bearing fruit in a production vehicle, just not where you'd expect. The 2024 Toyota Tacoma's portable JBL speaker will feature a solid-state battery, according to the company. This JBL speaker is removable, portable, and can link multiple units together.

Does Toyota have solid-state batteries?

Toyota on Thursday provided an update on its battery development plans, including a more detailed roadmap for the rollout of solid-state batteries. The automaker has five next-generation battery designs, including both liquid and solid electrolytes.

What is a solid-state battery?

Solid-state batteries are nothing new. Solid electrolytes were created in the 1800s, and they are currently used in small electronic devices like pacemakers and medical devices. Last October, Toyota announced signing a deal with Japanese petroleum company Idemitsu Kosan to mass produce solid-state batteries.

How long does a solid-state battery last?

Imagine the transformative impact of Toyota's groundbreaking solid-state battery technology, which promises an astonishing 745-mile range (over 900 miles with new and enhanced solid-state technology) and a charging time of about 10 minutes. What's even more exciting is that Toyota's vision isn't narrowly fixated on solid-state batteries alone.

What is Toyota bringing down the cost of solid-state batteries?

With innovative technologies like giga casting and hypersonic aerodynamics, Toyota aims to bring down the cost of solid-state batteries to compete with or even surpass the cost of lithium-ion batteries. Solid-state batteries offer safety



advantages over lithium-ion batteries, as they eliminate the risk of fires caused by flammable electrolytes.

When will a solid-state battery be available for commercial use?

Toyota has moved its focus to bringing solid-state batteries into mass production and ready for commercial use by 2027 or 2028. Toyota's first solid-state battery is expected to offer a 621-mile driving range with an 80 percent fast charging time of just around 10 minutes.



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### 10 Things To Know About Toyota's 745-mile Solid-state Battery

The spotlight now shifts to Toyota because of its recently announced breakthrough in solid-state battery technology that promises an unbelievable range of 745 miles.

[toyotas-solid-state-battery-breakthrough](#) .  
[Tacoma World](#)

Toyota has a history of making claims like this that don't go anywhere (for example - <https://electrek.com/2016/11/24/toyota-electric-car-battery-breakthrough/> ) when ...



### [Could an Electric Tacoma or 4Runner Be on the Horizon?](#)

With Toyota planning to release six new BEVs globally by the end of 2026--and next-generation battery technology including solid-state packs in the pipeline--an all-electric ...



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### [The Toyota Tacoma's In-Dash Speaker Is an Industry ...](#)

The 2024 Toyota Tacoma includes an optional JBL audio system with an in-dash speaker. By using a solid-state battery, the Bluetooth speaker can withstand sun and heat.

### **toyota's solid state battery**

Actually, as mentioned in another thread, Toyota says they will be including a solid-state lithium-ion battery in a vehicle next year. It will power a removable JBL Bluetooth ...



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### [2026 Toyota Tacoma EV , Lithia Motors](#)

The company also announced new battery technology that could offer up to 621 miles of range and fast charging from 10 to 80 percent in just 20 minutes. It is also working on a solid-state ...

### **Toyota plots solid-state battery timeline for future EVs**

Toyota expects the solid-state batteries, which the company has been researching with Panasonic, to be "ready for commercial use" by 2027 or 2028, according to a company press release.



### [Toyota's Breakthrough in Solid-State Batteries](#)

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### [2024 Toyota Tacoma Will Pack a Solid-State Battery](#)

Toyota's upcoming 2024 Tacoma is pushing the beloved pickup to new heights. Adding to the mix is the addition of solid-state battery tech inside the Tacoma.





### [2026 Toyota Tacoma EV , Lithia Motors](#)

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