

Macro Roundup Article

Headline: [Toyota Nears Mass Production of Solid-State Batteries](#)

Article Link: <https://www.ft.com/content/6224f235-568c-4e2f-8247-e7dacf0ef20c>

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Tweet: Toyota plans to mass-produce solid-state batteries by 2027, allowing EVs to charge in 10 minutes or less and have ranges of up to 750 miles.

Summary: Toyota says it is close to being able to manufacture next-generation solid-state batteries at the same rate as existing batteries for electric vehicles, marking a milestone in the global race to commercialise the technology. Its headway in manufacturing technology follows a “breakthrough” in battery materials recently claimed by the world’s largest carmaker by vehicles sold. It would allow Toyota to mass-produce solid-state batteries by 2027 or 2028. Solid-state batteries have long been heralded by industry experts as a potential “game-changer” that could address EV battery concerns such as charging time, capacity, and the risk of catching fire. If successful, Toyota expects its electric cars powered by solid-state batteries to have a range of 1,200km — more than twice the range of its current EVs — and a charging time of 10 minutes or less. Related: Toyota Says Solid-State Battery Breakthrough Can Halve Cost And Size and Your Next Electric Vehicle Could Be Made in China and China Set to Overtake Japan as World’s Biggest Car Exporter

Primary Topic: Innovation/Research

Topics: Innovation/Research, News article, Productivity

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