



Who is toyota working with on solid state batteries

Does Toyota have a solid-state battery partnership with Idemitsu?

While Toyota isn't the only company reaching outside the auto industry for solid-state battery collaboration, its partnership with Idemitsu is unique. Idemitsu is a petroleum corporation, and every other automaker is working with technology or battery companies.

Will Toyota make solid-state EV batteries?

Last October, Toyota announced signing a deal with Japanese petroleum company Idemitsu Kosanto mass produce solid-state batteries. The collaboration will focus on sulfide solid electrolytes, a promising material for EV batteries. According to Toyota, the two companies have been working together on materials development since 2013.

What company will Toyota use to mass produce solid-state batteries?

Toyota has struck a deal with fellow Japanese company Idemitsu Kosanto mass produce ultra-high-range EVs with solid-state batteries. Using material developed by Idemitsu Kosan will allow Toyota to commercialize these energy-dense batteries by 2028.

Is Toyota launching a solid-state battery car?

Toyota has laid out a phased approach to launching its solid-state battery vehicles: The first models equipped with solid-state batteries are expected to be high-end or performance-oriented vehicles, gradually making their way into more affordable segments as production scales up.

How many solid-state battery patents does Toyota have?

Toyota holds far more solid-state battery patents than other automakers. Over the past three years, Toyota registered over 8,000 solid-state battery patents. Many are assigned jointly with Idemitsu. Hyundai, Kia and Honda are actively researching solid-state battery innovation.

What is Toyota doing with EV batteries?

Japanese automaker Toyota has teamed up with the oil giant Idemitsu Kosan to construct a large-scale lithium sulfide plant to supply raw materials for Toyota's all-solid-state EV battery production line. Toyota has been one of the key players in the development of all-solid-state EV batteries, which is seen as the next evolution of EV batteries.

Toyota and Idemitsu Kosan partner to build a lithium sulfide plant for all-solid-state EV batteries, boosting Japan's battery supply chain. Set for 2027-2028, this \$142M facility aims to accelerate solid-state battery production ...

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