

# **Liquid-cooled supercharger supporting energy storage**





## Overview

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Can liquid cooled supercharger solve 'slow charging' in electric vehicles?

**Fully Liquid-cooled Supercharger** The statement “5 minutes of charging for a 300-kilometer range” has now become a reality, seemingly addressing the issue of “slow charging” in electric vehicles. Liquid-cooled fast-charging technology, as a novel solution to the challenges of electric vehicle charging, has emerged as a focal point in the industry.

What is liquid cooled fast charging?

Liquid-cooled fast-charging technology, as a novel solution to the challenges of electric vehicle charging, has emerged as a focal point in the industry. Liquid-cooled fast charging employs a cooling system that utilizes liquid-cooled plates in the battery section and includes a liquid circulation channel between the cables and the charging gun.

How does a liquid cooled charging system work?

This cooling fluid is circulated by a power pump, effectively removing the heat generated during the charging process. A fully liquid-cooled design offers superior heat dissipation, reduced noise levels, and extends equipment lifespan to 10-20 years or more. The use of fast-charging stations achieves a charging success rate of over 99%.

Can superchargers cool high-current cable cores?

Superchargers have become a focus of much research into new-energy vehicles, for which the cooling of high-current cable cores is a key problem that needs to be solved.



## Liquid-cooled supercharger supporting energy storage

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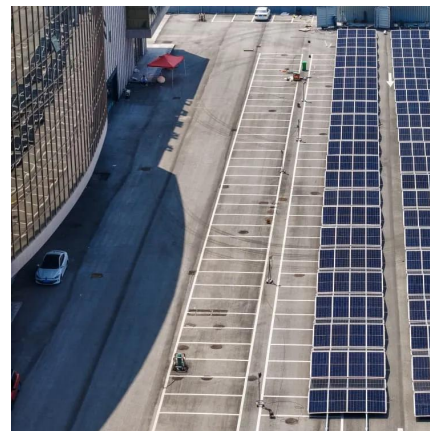
## **How liquid-cooled technology unlocks the potential of energy storage**

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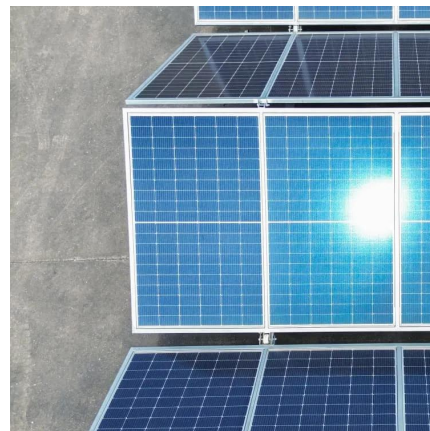
## **Liquid Cooling Energy Storage: The Next Frontier in Energy Storage**

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## [800kW Liquid Cooling Supercharge , Sano Energy](#)

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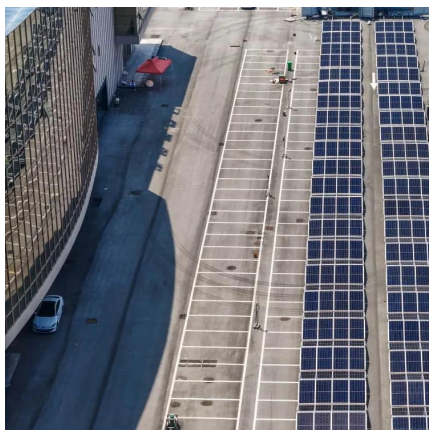


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