

New Energy Battery Cabinet Cold Pressed Plate





Overview

What is a battery cold plate?

One of the most efficient and cost-effective technologies in the market today is the battery cold plate, specifically designed for direct refrigerant cooling (direct-to-cell cooling). Guichen Industry offers an advanced battery direct cooling plate tailored for Battery Electric Vehicles and Range-Extended Electric Vehicles applications.

What is a SOGEFI battery cold plate?

Sogefi offers a full range of innovative battery cold plate solutions to meet the diverse needs of EV battery pack architectures. Laser welded extruded designs, and laser welded cold plates are produced with a fraction of the energy consumption compared to the traditional brazed or roll bond cold plates.

What is a battery cooling plate?

Made from high-quality 3003MOD and 6061MOD aluminum alloys, the cold plate offers a superior combination of light weight, corrosion resistance, and mechanical strength. With its lightweight battery module cooling plate design, this solution contributes to overall vehicle energy efficiency while maintaining structural reliability.

How does a Li-ion battery cold plate work?

In this system, the refrigerant comes into direct contact with the battery surface and absorbs heat through a phase change process — evaporating within the cold plate and carrying the heat away. Compared to liquid cooling systems, the Li-ion battery cold plate with direct cooling can improve thermal efficiency by more than three times.



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Cold Plate Technologies for Liquid Cooling in Energy Storage

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A novel cold plate battery thermal management system for ...

A method for selecting the power battery based on the EV's performance parameters is proposed. The selected power batteries have clear parameters such as size, ...



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Battery Cold Plate , Direct Cooling Plate for EV Car Batteries

A direct cooling cold plate is a thermal management component that allows direct contact between the refrigerant and the battery cells, enabling rapid heat dissipation. This ...

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Types of Cold Plates Used In The New Energy Sector

Explore the main types of cold plates used in the new energy sector. Learn design methods, applications, and selection tips for optimal cooling.

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EV Battery Cooling Plates

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Liquid Cold Plates For New Energy Device



Product Introduction Liquid cooling plate of new energy battery Liquid cold plate In the power battery system, the new energy battery work and ...

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