

PDEOZE PowerContainer

New Energy Battery Cabinet Cold Pressed Plate



Overview

What is a battery cold plate?

Built with lightweight aluminum, the battery cold plate stabilizes battery cell temperature and provides optimal temperature uniformity. Featuring counterflow and double-side cell loading designs, it extracts heat from the lithium-ion battery cells and enables fast charging. Copyright © 2025 Dana Limited. All Rights Reserved.

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 makes SOGEFI hybrid cold plate different?

The manufacturing process retains aluminum alloy mechanical properties, opening the door for lighter, stronger cold plate designs. The Sogefi hybrid cold plate composed of welded metal/plastic composite is another innovative solution for improved impact resistance and integration with composite battery pack enclosures.

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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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Once seen as a passive element in the system, cold plates have become a critical enabler of safety, reliability, and power efficiency.

Guchen's battery direct cooling plate offers a high-performance, scalable, and cost-effective solution for the demanding thermal management needs of modern electric

cars.

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Offer New Energy Battery Packing Aluminum Cold Plate by China New Energy Battery Packing Aluminum Cold Plate manufacturers. Provide professional after-sales service and guidance - Winshare Thermal.

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After the coolant releases the heat absorbed by the battery cold plate through the evaporator, it re-enters the cold plate to absorb the heat generated by the equipment by utilizing the power generated by the operation of the water ...

The Battery Cooling Liquid Heat Exchanger Cold Plate plays a critical role in maintaining batteries at an optimal operating temperature, preventing overheating, and ensuring efficiency over ...

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From large-scale energy storage containers to electric vehicles, from data centers to medical equipment, efficient and reliable battery cold plate solutions are driving the ...

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Our high-performance cold plates are designed specifically for battery cooling, ensuring stable temperatures and optimal performance. By effectively dissipating heat, these cold plates ...

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