

What is Hyundai Mobis PHP technology?

Hyundai Mobis' PHP technology leverages cutting-edge materials and design to improve heat dissipation between EV battery cells. Constructed from aluminium alloy and refrigerant, the PHP system stabilises battery temperatures during rapid charging, ensuring a safer and more efficient process.

How does Hyundai Mobis work?

Hyundai Mobis will use battery cells supplied by a joint battery cell venture, HLI Green Power, and will turn them into modules that include a controller and a heat controller. They will then be supplied to global automakers as large battery systems. That is, Hyundai Mobis will play a role of an intermediary and complete the EV ecosystem.

How does Hyundai Mobis cool a battery?

However, as battery cells generate intense heat during ultra-fast charging, optimising cooling structures at the module level is crucial. Hyundai Mobis has integrated PHPs directly between individual battery cells, enabling rapid heat transfer to cooling blocks.

What is Hyundai Mobis' new EV battery system plant?

Hyundai Mobis held a groundbreaking ceremony for global EV dedicated battery system plant, attended by 150 guests including local government officials on 31. The new plant to supply battery systems for local flagship models in the first half of 2024, completing an EV ecosystem that covers EV cells, battery systems, and automakers.

Is Hyundai Mobis building a battery plant in Indonesia?

A bird's-eye view of the battery system factory currently being built by Hyundai Mobis in Indonesia. Hyundai Mobis (KRX 012330) began construction of a new EV dedicated battery system plant in Indonesia, which it plans to have completed by the first half of next year.

Is Hyundai Mobis a leader in the future mobility market?

By securing world-class battery cooling technology, Hyundai Mobis aims to solidify its position as a leader in the future mobility market. Heat pipes are not new; they've been widely used to cool high-performance electronics like computer CPUs and smartphones.

To transform itself from a hardware-centered automotive parts company into a software-centered technology company, Hyundai Mobis is reinforcing its software R&D competence. Since 2018, ...

MOBIS manufactures the three core modules required for vehicle assembly, plus separate driver safety and convenience group components. MOBIS is proud to design and produce for ...

Specifics of functional locations operated by Hyundai Mobis and its subsidiaries (technical centers/distribution centers/open innovation centers and others) and key JVs are marked on ...

Hyundai Motor Group's supplier, Hyundai Mobis, is investing around \$256 million (350 billion won) in building new plants in Slovakia for EV parts. The base will include ...

South Korean automotive supplier Hyundai Mobis has developed a new battery cell cooling material called the Pulsating Heat Pipe to prevent EV battery overheating during ...

Hyundai Mobis warrants international standard battery cooling technology. The "Pulsating Heat Pipe" (PHP) technology reduces the internal temperature of the battery that rises during fast ...

South Korean automotive supplier Hyundai Mobis has developed a new battery cell cooling material to prevent EV battery overheating during ultra-fast charging. This material, ...

Hyundai Mobis announces its "MOBIS MOBILITY MOVE 2.0" strategy for European expansion . Growth focused around its three core businesses: Electrification ...

Hyundai Mobis has announced that it has developed a new battery cell cooling material to prevent battery overheating during ultra-fast charging of electric vehicles.

Hyundai Mobis has announced the development of an innovative battery cell cooling material designed to prevent overheating during ultra-fast charging of electric vehicles ...

Hyundai Mobis has developed a new battery cell cooling material to prevent battery overheating during ultra-fast charging of electric vehicles. The company aims to secure ...

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