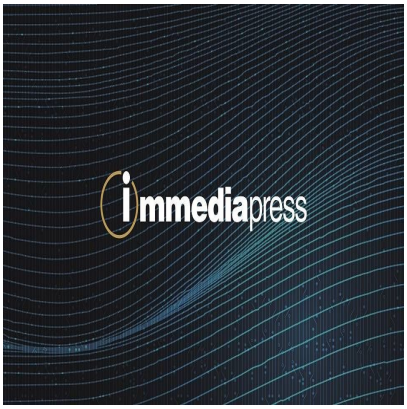

CARKU Takes Battery Innovation From Factory Floor to Europe at Automechanika Frankfurt 2026

Descrizione

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FRANKFURT, Germany, Sept. 9, 2026 /PRNewswire/ â?? Automotive aftermarket distributors are looking beyond conventional battery solutionsâ??seeking differentiated products, reliable performance, and flexible manufacturing support to meet evolving market needs and growth opportunities. CARKU presents its integrated approach to battery product developmentâ??from battery technology, engineering and protection systems to ODM/OEM manufacturing, production and testing. Beyond individual jump starters, CARKU helps partners turn emerging sodium-ion (Na+) battery technologies into market-ready solutions.

From Battery Technology to Factory-Tested Performance

When a dead battery leaves a vehicle unable to start, drivers need more than powerâ??they need a reliable way to get moving again. CARKU has developed core battery technologies in structural engineering, and intelligent protection, backed by patented innovations such as its reverse-polarity protection alligator clip design. These capabilities form the in-house technology foundation behind its ODM production, enabling CARKU to build jump starters for demanding vehicle conditions.

That reliability starts on the factory floor. From finished-product housing and A-grade cell consistency to jump starter structural design, built-in protection systems and end-of-line testing, each engineering decision aims to reduce failure risks before products reach the market.

Beyond AGM: Two New Paths for Starting Battery Applications

The shift to new battery technologies isnâ??t limited to EVs. As fleet operators demand greater consistency, stronger auxiliary power and lower maintenance, starting batteries for combustion vehicles are evolving too.

For long-haul trucks, the battery now needs to do more than start the engine. CARKU lithium starting batteries are lighter, higher-capacity and built for auxiliary powerâ??delivering extended output during stationary operation without idling the engine.

In colder regions like Northern Europe, AGM batteries struggle with weight, cycle life and cold-temperature performance. CARKU sodium-ion starting batteries are built for durability and cold-climate performance, offering passenger cars, trucks and motorcycles a next-generation alternative to AGM.

Lithium and sodium-ion arenâ??t competing technologiesâ??theyâ??re different technologies for different vehicle-use scenarios: lithium for lightweight, high-auxiliary-power demands; sodium-ion for durability and extreme climates. For fleets and distributors, the question is which technology actually matches how vehicles are used.

About CARKU

CARKU provides end-to-end OEM/ODM solutions spanning jump starters, portable power stations, and starting batteries, with products certified to CE, FCC, RoHS, UL and other international standards. Backed by 852 global patents, CARKU delivers trusted smart energy technologies across worldwide.

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Categoria

1. Comunicati

Tag

1. ImmediaPress

Data di creazione
Settembre 9, 2026
Autore
redazione