

Does CATL offer a freevoy battery for hybrid cars?

CATL has launched the Freevoy battery for hybrid vehicles, which offers a range of more than 400 kilometers and supports 4 C fast charging, allowing hybrid vehicles to deliver a BEV-like experience. (CATL launched the Freevoy Super Hybrid Battery for hybrid cars on October 24, 2024. Image credit: CATL)

What is a CATL freevoy battery?

Designed specifically for EREVs and PHEVs, the Freevoy battery from CATL frees drivers from the constant need to charge, a common drawback of existing hybrid vehicles. The new battery allows many drivers to commute for a week before recharging if needed.

What is freevoy super hybrid battery?

BEIJING, Oct. 24, 2024 /PRNewswire/ -- On October 24, 2024, CATL launched Freevoy Super Hybrid Battery, the world's first hybrid vehicle battery to achieve a pure electric range of over 400 kilometers and 4C superfast charging, heralding a new era for high-capacity EREV and PHEV batteries.

What is CATL freevoy (Xiaoyao)?

The CATL Freevoy (Xiaoyao) is a Hybrid Battery Pack, that is it has two or more chemistries within the one battery system. In this case they are using lithium ion cells and sodium ion cells. The news release from CATL is quite difficult to decipher, but they are making a few claims.

Which brands use freevoy battery?

Brands including Li Auto (NASDAQ: LI), Avatr, Deepal, Nevo, and Netahave chosen to use the Freevoy battery, CATL said. By 2025, nearly 30 hybrid models from brands including Geely, Chery, GAC, Voyah, are expected to be equipped with the battery pack, it said.

Why did CATL add sodium-ion batteries to the freevoy battery?

Sodium-ion batteries are less affected by cold temperatures. To take advantage of that characteristic, CATL added some sodium-ion battery cells to the Freevoy battery to break the low temperature limitations of conventional new energy vehicles.

,(CATL)Freevoy Super Hybrid Battery,, ...

CATL has also pioneered packing sodium-ion batteries together with lithium-ion batteries in the Freevoy battery, which can guarantee discharging in extreme cold, Gao said. ...

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CATL, the world's largest electric vehicle battery maker, launched the Freevoy Super Hybrid Battery on October 24th, the world's first hybrid battery with an all-electric range of more than 400 kilometers (250 miles) and 4C ultra ...

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From these announcements, we can see that CATL's Freevoy battery uses LFP chemistry. It also adopts a nanoscale protective layer and uses high-activity excited state ...

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The battery, known as Freevoy, is the world's first hybrid battery with a range of over 400 km (249 miles), according to CATL's Gao Huan, chief technology officer of its electric vehicle business ...

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CATL Unveils Freevoy Super Hybrid Battery, Heralding a New Era of Sustainable Travel. BEIJING, Oct. 24, 2024 /PRNewswire/ -- On October 24, 2024, CATL launched Freevoy Super Hybrid Battery, the world's first hybrid ...

CATL's Freevoy battery was developed for hybrid vehicles with EREV and PHEV technology. It eliminates the need for constant recharging, a common drawback of existing ...

Designed for hybrid vehicles of EREVs and PHEVs, CATL's Freevoy frees drivers from the constant need to charge, a common drawback of existing hybrid vehicles, offering the convenience of one...

CATL claims the new 4C ultra-fast charging technology in the Freevoy battery gives drivers over 280 kilometers (175 miles) of coverage on 10 minutes of charging, eliminating range anxiety in PHEVs.

CATL's Freevoy Super Hybrid Battery sets a new standard for PHEVs, blending the best of electric and hybrid technologies to create an experience closer to that of full EVs. Almost 14 million new electric cars were ...

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battery system. In this case they are using lithium ion cells and ...

China's CATL has launched a new battery, offering plug-in hybrids an electric-only range rivaling some EVs. Their Freevoy Super Hybrid Battery promises to provide more than ...

The new CATL Freevoy battery for PHEVs and EREVs is claimed to deliver 248 miles of range. It can apparently add 173 miles in just 10 minutes of fast charging.

CATL Freevoy Battery addresses crucial concerns for EREV (extended range Electric Vehicles) and PHEV (plug-in hybrid Electric Vehicles) owners. On October 24, 2024, CATL, the world's leading Lithium-ion battery ...

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