

What is CATL's Kirin battery?

CATL is a promoter of LFP batteries, which are said to offer lower energy density than other chemistries. Nevertheless, the Kirin battery is not limited to using this chemistry exclusively. That's exactly why CATL's chairman references a large cylindrical battery "with the same electrochemical system."

Does CATL have a qilin battery?

CATL has launched its third-generation CTP (cell to pack) technology, which it internally calls the Qilin battery, through continuous technology iteration, said Wu Kai, chief scientist at the power battery giant.

When will CATL unveil the Kirin battery?

This is acknowledged by Robin Zeng, founder and chairman of the power battery giant, even as he confirmed CATL will officially unveil the Kirin battery next quarter. This is the formal step before entering volume production.

What is a qilin battery?

Update: Adjusted the official English name of the battery from Kirin battery to Qilin battery. CATL has launched its third generation of CTP (cell to pack) technology, which it internally calls the Qilin battery, the company's top executive said.

How much energy does a Kirin CTP provide?

That's exactly why CATL's chairman references a large cylindrical battery "with the same electrochemical system." The Kirin CTP could provide 160 Wh/kg or 290 Wh/l when using LFP cells. But when switching to the NMC chemistry, that number reaches 250 Wh/kg or 450 Wh/l. This is the energy density of the battery pack, not of the individual cells.

Is the Kirin battery the secret to long range?

The secret is in the packaging, not a new breakthrough in battery chemistry. Wu said the Kirin battery leads the industry in system weight, energy density, and volumetric energy density. "We have analyzed the range distribution of passenger cars in the last three years and found that consumers' quest for long range is still a trend," he added.

The Kirin battery is CATL's CTP3.0 version of its non-module battery pack, which was released on June 23rd last year and has caused a lot of discussion in the market since its ...

Under the same chemical system and the same battery pack size, the power of the Kirin battery pack can be increased by 13% compared to the 4680 system. In addition, CATL ...

CATL CTP? ,? ,? ?

Chinese battery giant CATL has revealed its third-generation cell-to-pack (CTP) battery technology that's known internally as Kirin or Qilin, depending on what translation software you use.. Compared to traditional ...

The Qilin batteries are based on CATL's third-generation cell-to-pack (CTP) battery system, which uses prismatic lithium-ion cells. CATL claims that it has achieved record-breaking 72 percent ...

????CATL?3??(Kirin battery)????4680????13%?????(?URL?) CATL????????? ...

??Qilin????????65????????????CATL????? ...

On June 1, the ZEEKR 001 thousand mile endurance package (1032 kilometers of CLTC comprehensive operating range) equipped with CATL Battery CTP3.0 Kirin battery was ...

Considering CATL's prismatic cells range from 3.2V to 3.7V, this Kirin battery pack would present something between 384V to 444V. If it followed the standard of 4.2V, the ...

Yet recently at the China EV 100 forum, Wu Kai, chief scientist for CATL, said his company's new Kirin battery packs 13% more power than a battery pack using 4680 cells, ...

?(CATL)?111?20231?3??3CTP(Cell to Pack)?????(Kirin battery)?? ...

??623,CTP---,,72%,255Wh ...

CATL prepares to officially unveil the Kirin battery with improved energy density compared to a large cylindrical battery with the same chemistry

According to CATL's official Weibo, on June 23, CATL announced the CTP3.0 Kirin battery. The system integration has reached a new high in the world, the volume utilization rate has exceeded 72%, and the energy density ...

Leading Chinese battery firm Contemporary Amperex Technology Co., Limited (CATL) has launched its third generation of cell-to-pack (CTP) technology, referred to ...

CATL f&#252;hrt die CTP-Batterie 3.0 „Qilin“ ein, um die weltweit h&#246;chste Integrationsstufe zu erreichenContemporary Amperex Technology Co., Limited (CATL) is a global leader in the development and manufacturing of ...

????????CATL?XNUMXCTP????????? ?????????????????????? ?????????????? ...

The Qilin Battery will have an energy density of 255 Wh/kg and will be in mass production in 2023, CATL

said. Contemporary Amperex Technology Co Ltd (CATL, SHE: 300750) today officially unveiled its highly anticipated ...

The launch Xiaomi SU7 max battery is made by CATL and appears to be the Qilin approach with Xiaomi integrating this as a Cell to Body design. Skip to content. Battery Design. from chemistry to pack. Menu. ... The sides of ...

The CATL Qilin CTP 3.0 is their second generation cell to pack design. Qilin is named after a legendary creature from China. The latest CATL post suggests that this integrated system can increase the energy density to ...

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