

At the 2024 Beijing Auto Show, CATL introduced the Shenxing PLUS battery, the world's first lithium iron phosphate (LFP) battery capable of achieving a 1000-kilometer range. With just a 10-minute charge, allowing for a 600-kilometer travel distance.

Shanghai (Gasgoo)- On August 16, Chinese power battery CATL unveiled the world's first mass-producible 4C fast-charging battery that adopts lithium iron phosphate (LFP) materials- the "Shenxing Superfast Charging Battery" (called "Shenxing Battery" for short). This breakthrough innovation achieves an astonishing "10-minute charge for 400 kilometers of ...

On December 15, the international jury panel of AUTOBEST announced that CATL's Shenxing battery has won the TECHNOBEST 2024 award following voting by jury members from 31 European nations. This is the first time a battery product has won the TECHNOBEST award, and CATL is the first China-based company to win this title. ...

BEIJING, April 25, 2024 /PRNewswire/ -- At Auto China 2024, CATL unveiled Shenxing PLUS--the LFP battery that achieves a range above 1,000 kilometers with 4C superfast charging. Within eight months after the ...

In tema batterie LFP vale la pena di notare che per le Blade Battery di seconda generazione che presto dovrebbero debuttare, si parla di una densit ; energetica pari a 190 Wh/kg. CATL racconta di aver applicato un materiale a nido d'ape 3D sviluppato internamente per migliorare la densit ; energetica dell'anodo e controllare l'espansione del volume di carica e ...

CATL fast charging battery - Shenxing technology: Discover in this Case Study how CATL has improved production efficiency in battery assembly using new disruptive solutions. ... where the "C" refers to the charging multiplier of the battery and can charge an LFP battery (Lithium iron phosphate) used in Tesla cars in 15 minutes.

The Shenxing PLUS is the world's first LFP battery that achieves a range above 1,000 kilometers, (621 miles) featuring 4C superfast charging. ADVERTISEMENT Details About the Shenxing PLUS Battery Tech. At the core of this CATL battery breakthrough is the introduction of a cutting-edge cathode technology in the Shenxing PLUS. Utilizing ...

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CATL avvierà negli ultimi mesi del 2023 la produzione industriale della nuova batteria con chimica LFP (Litio-ferro-fosfato) a ricarica rapida Shenxing, capace di incamerare 400 km di autonomia in 10 minuti. La prima batteria LFP al mondo che ricarica a 4C. Quella di CATL è la prima batteria con chimica LFP a sopportare la ricarica 4C.

The Shenxing battery is the company's new LFP battery technology, which it revealed on August 16. According to the company, it can support a driving range of up to 400 km in just a 10-minute charging session. 1. Chinese battery giant CATL has unveiled a battery that is able to refuel up to 400 kilometers of range in 10 minutes for EVs.

Redefine LFP battery to alleviate charging anxiety. Accelerating extraction of lithium ions. Shenxing leverages the super electronic network cathode technology and fully nano-crystallized LFP cathode material to create a super electronic network, which facilitates the extraction of lithium ions and the rapid response to charging signals.

The most important battery supplier worldwide, CATL, has developed a superfast charging LFP battery named Shenxing. The new product is capable of delivering 400 km of driving range with a 10-minute charge as well as a range of over 700 km on a single full charge, according to the manufacturer itself. In the e-bus business, CATL is [...]

On August 16, CATL, a significant supplier to Tesla, unveiled the lithium iron phosphate (LFP) battery called Shenxing. It will start mass production by the end of 2023 and be commercially ...

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700 km de rayon d'action et 80 % de l'autonomie récupérée après seulement 10 minutes de charge : la nouvelle batterie LFP Shenxing de CATL ne lésine pas sur les promesses. Malheureusement, le ...

CATL announced that the first mass-produced car equipped with a new LFP 2.0 Shenxing battery would be the Exeed Exlantix ET. During the extreme cold testing at -20 °C (-4°F) in Inner Mongolia, the electric SUV charged to 80% in 24 minutes. In normal conditions at 25°C (77°F), it can add 400 km in 10 minutes, according to Exeed.

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technology, ushering in the era of ...

According to the company, the Shenxing LFP battery can achieve fast-charging over a wide temperature range, being able to charge from zero to 80 percent in 30 minutes even in temperatures as low ...

During Auto China 2024, CATL introduced the Shenxing PLUS--the world's first LFP battery to achieve a range of over 1,000 kilometers coupled with 4C superfast charging. Just eight months following the debut of its Shenxing superfast charging battery in August 2023, CATL has advanced LFP battery technology, marking a new phase of superfast charging across the ...

On August 16, CATL launched Shenxing, the world's first 4C superfast charging LFP battery, capable of delivering 400 km of driving range with a 10-minute charge as well as a range of ...

Auf der Auto China in Peking hat CATL seine neue LFP-Batterie Shenxing Plus präsentiert, die Elektroautos zu mehr als 1.000 Kilometern Reichweite verhelfen soll. Und die Batterie mit den haltbaren Lithium-Eisenphosphat-Zellen soll sich auch sehr schnell aufladen lassen. Bild: CATL. Von Sebastian Schaal. 25.04.2024 - 13:58 Uhr.

CATL's introduction of the Shenxing battery technology coincides aptly with the stabilizing prices of battery materials such as lithium, as well as the increasing demand for affordably priced EVs that can cater to the masses.. While Shenxing is anticipated to debut at a slightly higher price than available alternatives, LFP batteries are generally more cost-effective ...

12 ???· CATL launches Shenxing Plus EV battery (Source: CATL) "China alone is expected to produce enough battery cells to meet 92% of total global demand of 1.2 terawatt-hours for ...

According to CATL, Shenxing is "the world's first 4C super fast-charging LFP battery." A crash course on batteries and charge rates In general, the C-rate, synonymous with the C rating, is the unit used to measure the speed at which a battery is fully charged or discharged. For example, a 1C battery takes about an hour to charge from 0 ...

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