

Why is CATL launching a new LFP battery?

The company explains that this comes from continuous technological breakthroughs. CATL says its new battery is the world's first LFP battery that achieves a range above 1,000 kilometres with 4C superfast charging, emphasised Gao Huan, Chief Technology Officer of CATL's electric car division, when presenting the battery at the auto show in Beijing.

What is the world's first LFP battery?

China-based Contemporary Amperex Technology Co., Limited (CATL) unveiled its Shenxing PLUS-- the world's first LFP battery that achieves a range above 1,000 km (621 miles) with 4C superfast charging. The Shenxing PLUS battery system surpasses the 200 Wh/kg energy density threshold for the first time.

By when will CATL reduce the cost of LFP batteries by 50%?

In January, CATL said it would reduce the cost of LFP batteries per kWh by a massive 50% by the middle of 2024. It looks like it's well on its way. LFP batteries are typically cheaper but are known to offer lower energy density. CATL's new battery looks to change that.

How many miles can an LFP battery add to a car?

This LFP battery can add 370 miles of range in 10 minutes of charging. According to CATL, the Shenxing Plus is the world's first LFP battery with 4C ultra-fast charging, and it makes it possible to build electric vehicles with over 620 miles of range according to the Chinese CLTC standard.

What is a Shenxing Plus LFP battery?

At Auto China in Beijing, CATL has presented its new Shenxing Plus LFP battery designed to give electric cars a range of more than 1,000 kilometres. The battery with durable lithium iron phosphate cells is also said to be very quick to charge.

What is China's new lithium iron phosphate battery (LFP) EV technology?

China has again pushed the boundaries of lithium iron phosphate battery (LFP) EV technology with a new CATL battery. China-based Contemporary Amperex Technology Co., Limited (CATL) is a global leader in new energy technologies. At Auto China 2024, CATL unveiled its Shenxing PLUS.

Contemporary Amperex Technology Co. (CATL) has shown its latest lithium iron phosphate (LFP) battery at an auto show in Beijing. The Chinese company says it has an energy density of 205 Wh per kg ...

This LFP battery can add 370 miles of range in 10 minutes of charging. ... CATL Launches New EV Battery Cells With Zero Degradation After the First 1,000 Cycles Xiaomi SU7 Makes Sales Debut With ...

Stellantis and CATL will invest up to EUR4.1 billion, or around \$4.25 billion, to build the large-scale European LFP battery plant. CATL and Stellantis announce new joint venture EV battery plant ...

New battery cells from CATL with lithium manganese iron phosphate (LMFP) chemistry are already being used in a Chinese electric model. The new batteries will. ... Tesla was already rumoured to be switching from ...

o Joint venture to build an all-new lithium iron phosphate (LFP) battery plant at Stellantis' Zaragoza, Spain site o Production is planned to start by end of 2026 and could reach ...

BYD and CATL To Produce EV Batteries That Fully Charge in 10 Min by the End of 2024 CATL Unveils Shenxing Plus: The World's First LFP Cell With 4C Ultra-Fast-Charging Tech CATL Launches New EV ...

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 over 700 km on a single full charge. Shenxing is ...

Tesla got a type approval in Europe for a new LFP/LMFP battery pack supplied by CATL. This could be used in entry-version Model 3 and Model Y EVs after the standard ...

The Shenxing PLUS battery provides users with a super-long range driving experience, exceeding 1,000 kilometers, which means a trip from Beijing to Nanjing without recharging on the road. This allows new energy ...

CATL's LFP Batteries Meet Important Safety Standards. CATL ensures that its LFP batteries meet strict safety rules. The batteries pass several certifications. These include GB/T36276, UN38.3, IEC62619, UL1642, and ...

On December 18, 2024, CATL unveiled two standardized battery models, #20 and #25, at the Choco-Swap ecosystem conference held in the coastal city of Xiamen. Jointly launched by CATL in collaboration with nearly 100 partners, ...

Chinese electric vehicle (EV) battery maker CATL on Thursday unveiled a lithium iron phosphate (LFP) battery with a driving range of more than 1,000 kilometres (621 miles) on a single charge.

CATL's New LFP Battery Unlocks 373-Mile Range With 10-Minute Charge. The new battery pack has an energy density of 205 Wh/kg, offering a range of over 621 miles (1,000 km)

SAIC-GM revealed that the new 6C ultra-fast-charging LFP battery co-developed with CATL will debut in the first half of next year, as part of the upgraded Ultium Battery "quasi-900V" high ...

Unveiled today in Beijing, CATL's Shenxing battery is expected to enter mass production in China by the end of the year. CATL, the world's largest EV battery maker and a major Tesla...

CATL, the world's largest EV battery supplier, unveiled its new Shenxing Plus battery with a promised range exceeding 621 miles (1,000 km) on the Chinese testing cycle. The battery...

At Auto China 2024, CATL unveiled its Shenxing PLUS -- the world's first LFP battery that achieves a range above 1,000 km with 4C superfast charging. ... EV technology with a new CATL battery. China-based ...

At IAA Transportation 2024, Contemporary Amperex Technology Co., Limited (CATL), the global leader in new energy technology innovations, launched its ...

China-based Contemporary Amperex Technology Co., Limited (CATL) unveiled its Shenxing PLUS -- the world's first LFP battery that achieves a range above 1,000 km (621 miles) with 4C superfast charging. The ...

Today, SAIC-GM and CATL launched a new lithium-iron-phosphate (LFP) battery cell with a 6C multiplier, enabling recharge rates of up to 200km in just five minutes, making it the fastest...

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