

New energy plus lithium iron phosphate battery

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.

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 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.

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.

Which EV battery is the world's first with 4C ultra-fast charging?

CATL claims the new EV battery is the world's first with 4C ultra-fast charging and +620 miles (1,000 km) CLTC range. CATL continues advancing EV battery tech as it aims to develop longer-range, faster charging units. The EV battery giant dominates the industry after leading again in 2023 for the seventh straight year.

What's new in the Shenxing plus battery?

At the core of this CATL battery breakthrough is the introduction of a cutting-edge cathode technology in the Shenxing PLUS. Utilizing granular gradation technology, the technology meticulously positions every nanometer particle to attain an ultra-high compact density.

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The world's largest EV battery manufacturer claimed the Shenxing Plus was the world's first LFP battery to achieve a range of over 1,000km (620 miles) with 4C superfast charging, adding a 10...

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