New energy chassis is all battery

Can China's new EV chassis withstand a 120 kph frontal impact?
SHANGHAI (Reuters) -China's CATL,the world's largest electric vehicle battery maker,on Tuesday launched a new EV chassis that it says can withstand a 120-kph (75-mph) frontal impactwithout catching fire or exploding,as it touts safety as a key selling point.

Is China's new EV chassis a 'bedrock'?
One of the world's largest electric vehicle (EV) battery producers,China's Contemporary Amperex Technology Co. Ltd (CATL) has rolled out an innovative EV chassis as safer and more productive platform. The platform is called Panshi,which means 'bedrock' in Chinese and sets new benchmarks for EV performance and safety standards.

Which EV brand is based on CATL's bedrock chassis?
Chinese EV brand Avatr,which is co-owned by CATL,state-owned Changan Auto and technology giant Huawei,will be the first to develop EV models based on CATL's Bedrock chassis,Chen Zhao,president of Avatr said at the press conference. He did not specify when such a model would be launched.

How does CATL's bedrock chassis work?
Lead the industry with the most stringent safety tests With the battery-centered design,CATL's Bedrock Chassis utilizes Cell-to-Chassis integration technology,which directly integrates the battery cells into the chassis,allowing for a shared structural design between them.

Will a new car chassis withstand a fire?
(Bloomberg) -- Contemporary Amperex Technology Co. Ltd. unveiled a new car chassis with an integrated battery strong enough to withstand firesor explosions from high-impact collisions.

Could Panshi technology open the EV industry to new EV players?
This in turn could open the industry to new EV players in economies without established automakers,and Zeng said at the time that CATL had shown the panshi technology to Porsche for a potential luxury EV and to investors in the United Arab Emirates eager to start a local EV brand.

Stellantis Launches Third All-New, Multi-energy Platform: STLA Frame Offers Best-in-Class 690-Mile Electrified Range or 500-Mile BEV Range, Towing and Payload. Designed for full-size, body-on-frame trucks and SUVs, STLA Frame is versatile: supports internal combustion, hybrid, hydrogen, battery electric (BEV) and range-extender electric vehicle ...

2 ???· One of the world"s largest electric vehicle (EV) battery producers, China"s Contemporary Amperex Technology Co. Ltd (CATL) has rolled out an innovative EV chassis ...

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1 · On December 24th, CATL officially launched the CATL Bedrock Chassis, the world"s first ultra-safe skateboard chassis. With its outstanding performance of withstanding 120 km/h frontal impact ...

More focus has been placed on creating new energy cars that are safer and more energy-efficient due to the development of new energy vehicle technologies and their strategic importance in addressing current energy and environmental issues. The chassis system"s primary components, whether for a conventional fuel vehicle or a new energy vehicle, are the braking, suspension, ...

2 ???· Avatr, Changan Auto and Huawei will be the first to use the chassis, which has a battery capable of running for about 1,000km. Advertisement. Electric & new energy vehicles. Business China ...

In November last year, CATL announced its first B-class car with a skateboard chassis using ternary lithium batteries and a range exceeding 1000 kilometers, completing winter testing in Heihe and summer testing in ...

2 ???· Additionally, the chassis includes a high-voltage system that can cut off the power circuit in 0.01 seconds and release residual energy in 0.2 seconds, significantly reducing the ...

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. As a transformative solution, Freevoy redefines PHEV and EREV batteries ;With EREVs (extended range electric vehicles) ...

2 ???· With the battery-centered design, CATL"s Bedrock Chassis utilizes Cell-to-Chassis integration technology, which directly integrates the battery cells into the chassis, allowing for a shared structural design between them. And based on the decoupling of the chassis from the upper body, the Bedrock Chassis is capable of absorbing 85% of the vehicle"s collision energy ...

Developing new energy vehicles has been a worldwide consensus, and developing new energy vehicles characterized by pure electric drive has been China"s national strategy. After more than 20 years of high-quality development of China"s electric vehicles (EVs), a technological R & D layout of "Three Verticals and Three Horizontals" has been created, and ...

Standing at the vanguard of future EV requirements, Farasis Energy, a global leader in lithium-ion power batteries for new energy vehicles and energy storage systems, showcases several latest innovations, including the Super Pouch Solution (SPS), eVTOL battery technology, high-performance battery system solutions for electric motorcycles, as well as ...

Optimization Analysis of Power Battery Pack Box Structure for New Energy Vehicles Congcheng Ma1(B), Jihong Hou1, Fengchong Lan2, and Jiqing Cheng2 1 Guangzhou Vocational College of Technology and Business, Guangzhou, Guangdong, China congchiey@163 2 School of Mechanical and Automotive Engineering, South China University of Technology, Guangzhou, ...

2 ???· The new chassis is unique, CATL said at a media briefing Tuesday, in the way it can decouple from the upper body of a car and better absorb energy from frontal collisions of up to ...

2 ???· The new chassis is unique, CATL said at a media briefing Tuesday, in the way it can decouple from the upper body of a car and better absorb energy from frontal collisions of up to 120kms/hour. The battery remained intact, according to a video that was shown.

The chassis structural design of new energy cars is more adaptable and affects vehicle performance compared to fuel-powered vehicles. The integrated battery and high amount of unsprung mass...

2 ???· One of the world"s largest electric vehicle (EV) battery producers, China"s Contemporary Amperex Technology Co. Ltd (CATL) has rolled out an innovative EV chassis as safer and more productive platform. The platform is called Panshi, which means "bedrock" in Chinese and sets new benchmarks for EV performance and safety standards. Safety as a ...

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