

The new energy battery with the longest service life

How long does a battery last?

Nonetheless, some people still worry about this, and, importantly, battery companies still work to improve this. News today is that CATL (Contemporary Amperex Technology), the largest battery producer in the world (by far), has a new battery that it's saying has a service life of 1.5 million kilometers (930,000 miles) or 15 years.

Is a long-life battery an industry first?

Yutong calls the long-life battery an industry first. The bus manufacturer introduced another battery with a 10-year and 621,000 mile (1 million km) lifespan. CATL and Yutong first established a ten-year partnership in 2012 to jointly develop commercial vehicle batteries while exploring new tech and materials.

What is the current research on power battery life?

The current research on power battery life is mainly based on single batteries. As known, the power batteries employed in EVs are composed of several single batteries. When a cell is utilized in groups, the performance of the battery will change from more consistent to more dispersed with the deepening of the degree of application.

How long does a Yutong EV battery last?

According to the company, the new long-lasting EV battery has zero degradation through the first 1,000 cycles. The new EV battery pack, made with CATL, has a 932,000 mile (1.5 million km), 15-year warranty. Yutong calls the long-life battery an industry first.

Can EV batteries last a million miles?

Interestingly, CATL, the world's largest battery maker, is pursuing EV batteries capable of lasting a million miles. They have partnered with NIO to offer 15-year warranties on EVs. Geely will initially deploy its new LFP cells in Galaxy E5 SUVs before making them available to other customers.

How long does a lithium ion battery last?

The life status of different commercial lithium-ion batteries has illustrated in Fig. 1 [,,,,,]. It shows that the mainstream commercial LFP batteries for ESS currently meet the standard of 5000 cycles of cycle life and a 10-year calendar life.

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Chinese giant Geely has unveiled its new LFP battery cell, featuring 192 Wh/kg energy density, a 50-year service life, rapid charging to 80% in under 20 minutes, and minimal capacity loss...

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12 Smartwatches with the Longest Battery Life. Here are 12 smartwatches that offer extended battery life without compromising on features. 1. Garmin Instinct 2 Solar. Seamlessly blending style and functionality, the ...

Current conventional electric car battery designs have an energy density of about 260-watts per kilo. If CATL's figures for its prototype "condensed" battery are to be believed, then it has ...

A case in point is the new LFP battery cell by Geely that not only comes with 192 Wh/kg energy density, but also offers 50 years of service life, can be charged to 80% in under 20...

Garmin is one of the most popular watch brands out there, and the Enduro 2 features the brand's longest battery life and one of the longest overall on the market. It's a premium outdoor watch, offering much more than a great battery. What We Like. Let's get into the battery specifics right away. The Enduro 2 can last up to 34 days between ...

China's gigantic battery making company, CATL (or, to give it its full title, the Contemporary Amperex Technology Co Limited) has announced a new type of battery which could spell the end of...

Existing NCM523 cathode batteries, with electrolyte modification and NP ratio design, can achieve ultra-long cycling life, allowing batteries to provide over 1.6 million ...

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