



# Five-year non-degradation home energy storage system

What is the energy density of a tender storage system?

The energy density of the storage system is 430 Wh/L with a total capacity of 6.25 MWh, which CATL claims is the highest in the world. Tender has a cycle life of more than 15,000, which is 1.7 times the current mainstream level, and will not decay in the first five years of its 20-year life expectancy, CATL said.

What is a tender energy storage system?

Tender is a standard 20-foot containerized energy storage system equipped with CATL's energy storage-specific L-series long-life lithium iron phosphate cells. The energy density of the storage system is 430 Wh/L with a total capacity of 6.25 MWh, which CATL claims is the highest in the world.

How does CATL achieve ultimate safety in energy storage?

To achieve ultimate safety in energy storage, CATL has established a dedicated, end-to-end quality management system that includes technology development, proof testing, operation monitoring, and safety failure analysis.

Why do lithium-ion batteries degrade in the first 5 years?

Lithium-ion batteries inherently degrade due to their electrochemical nature, both chronologically and through charge and discharge cycles. The absence of degradation in the first five years might appear more as a marketing strategy than a true technological innovation.

On April 9, CATL unveiled TENER, the world's first mass-producible energy storage system with zero degradation in the first five years of use in Beijing, China. Featuring ...

Featuring all-round safety, five-year zero degradation and a robust 6.25 MWh capacity, TENER will accelerate large-scale adoption of new energy storage technologies as well as the high-quality advancement of the ...

- April 9, 2024 -- . On April 9, CATL unveiled TENER, the world's first mass-producible energy storage system with zero degradation in the first five years of use in Beijing, ...

China's CATL - the world's largest EV battery producer - has launched TENER, which is described as the 'world's first mass-producible energy storage system with zero degradation in the...

World's First Mass-producible 5-year Zero Degradation System. While preventing the degradation of capacity over the first five years of use is a significant advancement in increasing the ...

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The company rolled out Tianheng at an event on April 9, saying it is the world's first mass-producible energy storage system with 0 degradation for 5 years. Tianheng is a standard 20 ...

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Chinese battery giant Contemporary Amperex Technology Co Ltd (CATL, SHE: 300750) has launched its new energy storage system Tianheng, or Tener, to further tap the energy storage market. The company rolled out ...

NINGDE, China, April 12, 2024 /PRNewswire/ -- On April 9, CATL unveiled TENER, the world's first mass-producible energy storage system with zero degradation in the first five years of use ...

The TENER energy storage system achieves zero degradation in power and capacity over five years through advanced bionic SEI and self-assembling electrolyte technologies, helping to ensure long ...

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