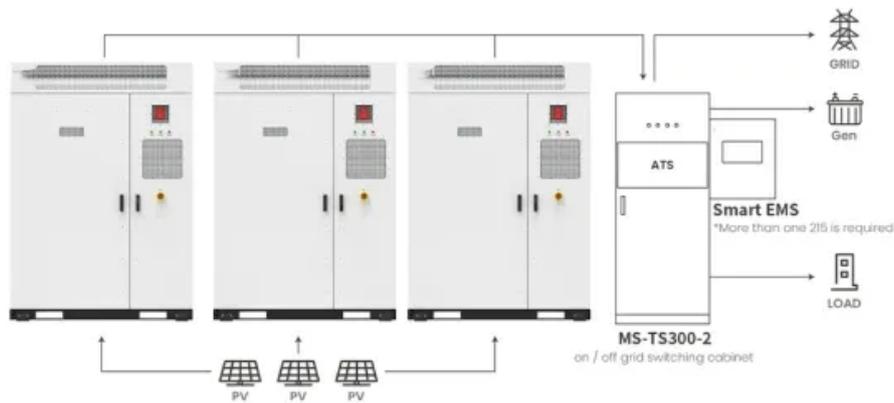


Ultra-large capacity solar-powered containers for data centers



Application scenarios of energy storage battery products



Overview

Deploying 800MWh of storage capacity with TENER Stack reduces the number of containers required by nearly one-third compared to traditional 6MWh systems, while increasing land-use efficiency by 40%, ultimately cutting total station construction costs by 20%. CATL catapults itself into the record books after unveiling the TENER Stack, the world's first 9-MWh ultra-large capacity energy storage system solution. The company revealed the next-gen product at ees Europe 2025. This innovation marks another milestone for CATL in the energy storage sector, following. The world's biggest battery maker unveiled its latest utility-scale battery energy storage product- the Tener Stack - at the Smarter E show. The 9 MWh system supports both centralized and string power conversion system architectures, offering flexibility for a range of deployment scenarios. Major tech companies like Google and Apple are already leading the way, demonstrating that solar-powered data centers are environmentally responsible and economically viable. They are projected to grow as high a 1 GW per site in the coming years.

Ultra-large capacity solar-powered containers for data centers



Top 10 Energy Storage Companies to Watch in 2025

In May 2025, CATL introduced the TENER Stack, the world's first 9 MWh ultra-large-capacity energy storage system, at ees Europe. Designed for large-scale industrial, grid, and data center ...

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Solar Powered Data Centers (2026) , 8MSolar

This guide explores how solar energy can transform data center operations, from reducing costs and environmental impact to creating reliable power delivery and future scalability.



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- IP65/IP55 OUTDOOR CABINET
- OUTDOOR CABINET WITH AIR CONDITIONER
- OUTDOOR ENERGY STORAGE CABINET
- 19 INCH

CATL's TENER Stack Redefines Energy Storage with 9MWh Capacity ...

Designed to meet rising global energy demands driven by AI data centers and industrial electrification, the TENER Stack leverages CATL's advanced high-energy-density cells and five-year ...

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CATL's TENER Stack: 9 MWh Containerized Stacked BESS System

CATL showcased its latest TENER Stack series containerized 9 MWh battery energy storage system (BESS), targeting Europe's data centers, industrial applications, and more, at ...



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Hybrid Solar Power for Data Centers

This whitepaper looks at the data center industry and its need for a reliable source of carbon-free energy -- and why one renewable solution stands out in meeting data center needs.

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World's First Mass-Produced! CATL Launches 9MWh Ultra-Large-Capacity

On May 7th, 2025, CATL has unveiled the world's first mass-producible 9MWh ultra-large-capacity energy storage system solution, TENER Stack, setting a new industry benchmark with ...



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CATL leapfrogs competitors, releases 9-MWh BESS

TENER Stack incorporates CATL's high-



energy-density cells with five-year, zero-degradation technology, achieving a 45% improvement in volume utilization and a 50% increase in ...

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CATL unveils 9 MWh utility-scale battery

On the first day of the Smarter E show in Munich, CATL, the world's largest battery manufacturer, unveiled the Tener Stack, which it describes as the world's first 9 MWh ultra-large ...

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TAX FREE






Product Model
 HJ-ESS-215A(100KW/215KWh)
 HJ-ESS-115A(50KW 115KWh)

Dimensions
 1600*1280*2200mm
 1600*1200*2000mm

Rated Battery Capacity
 215KWH/115KWH

Battery Cooling Method
 Air Cooled/Liquid Cooled





Solar Power for Data Centers and IT Infrastructure

Solar power presents a compelling solution for data centers and IT infrastructure, offering benefits like reduced carbon footprint, cost savings, and energy independence.

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CATL Launches World's First 9MWh Ultra-Large Capacity TENER ...

In response to fast-growing global

energy demands, from AI-driven data centres to industrial electrification, TENER Stack is engineered to help utilities, developers, and industrial users

...

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