

# Factory installation of energy storage batteries

What is a battery energy storage system?

Battery energy storage systems (BESS) stabilize the electrical grid, ensuring a steady flow of power to homes and businesses regardless of fluctuations from varied energy sources or other disruptions. However, fires at some BESS installations have caused concern in communities considering BESS as a method to support their grids.

Where are high-voltage batteries made?

From April 2025, high-voltage batteries will be manufactured industrially in Nuremberg using state-of-the-art production methods on 17,000 square metres. This will create almost 350 new jobs for the future. MAN will be the first commercial vehicle manufacturer to start its own battery series production in Germany.

What happened at Gateway energy storage facility?

On May 15, 2024, Gateway Energy Storage Facility in San Diego, California, experienced a BESS fire with continued flare-ups for seven days following the fire. The facility held about 15,000 nickel manganese cobalt lithium-ion batteries.

Where are MAN eTruck batteries made?

A few weeks after the delivery of the very first MAN eTruck to a customer, the topping-out ceremony is the next highlight for the Munich-based commercial vehicle manufacturer. From April 2025, high-voltage batteries will be manufactured industrially in Nuremberg using state-of-the-art production methods on 17,000 square metres.

What are the risks of a battery fire?

BESS incidents can present unique challenges for host communities and first responders: Fire Suppression: Lithium battery fires are extremely difficult to extinguish and may reignite hours or days later. Emissions: Battery fires can release harmful gases that pose health risks to nearby residents and first responders.

How do MAN batteries work?

Using an 8 kW disc laser, robot-guided optics, and highly precise sensors, individual battery cells are electrically connected with the utmost precision and quality. MAN works with the Technical University of Munich to advance this technology for the future generation of batteries.

Cut energy costs, boost reliability, and go green with solar battery storage. Learn how to integrate it into your industrial facility in 2025. As rising energy costs and grid instability ...

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