

## A-Core Container

# The safest location for new energy battery cabinets

**LPR Series 19'  
Rack Mounted**



## Overview

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The battery system should be installed in a non-combustible container or a building designed specifically for battery storage with fire resistance class EI 60. 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.

Do you need a safety box for lithium batteries?

One of the most effective protective measures is using a safety box for lithium batteries. These cabinets are not just simple metal enclosures; they are engineered safety systems designed to contain internal fires, mitigate thermal runaway, and prevent the release of toxic gases.

How many nickel manganese cobalt lithium-ion batteries were stored at Gateway?

The facility held about 15,000 nickel manganese cobalt lithium-ion batteries. Following the incident, EPA has required the Gateway facility to conduct extensive environmental monitoring during battery handling and disposal operations and submit detailed work plans and progress reports.

Are lithium battery fires a safety concern?

While BESS technology is designed to bolster grid reliability, lithium battery fires at some installations have raised legitimate safety concerns in many communities. BESS incidents can present unique challenges for host communities and first responders:.

What are fire rated cabinets?

Most fire-rated cabinets are only designed to resist fires that originate outside

the unit. However, lithium battery fires typically begin inside the cabinet. A proper safety box must: Be tested for internal fire resistance. Withstand fire from within for at least 90 minutes. Meet or exceed standards such as SS-EN-1363-1.

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### Contact Us

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