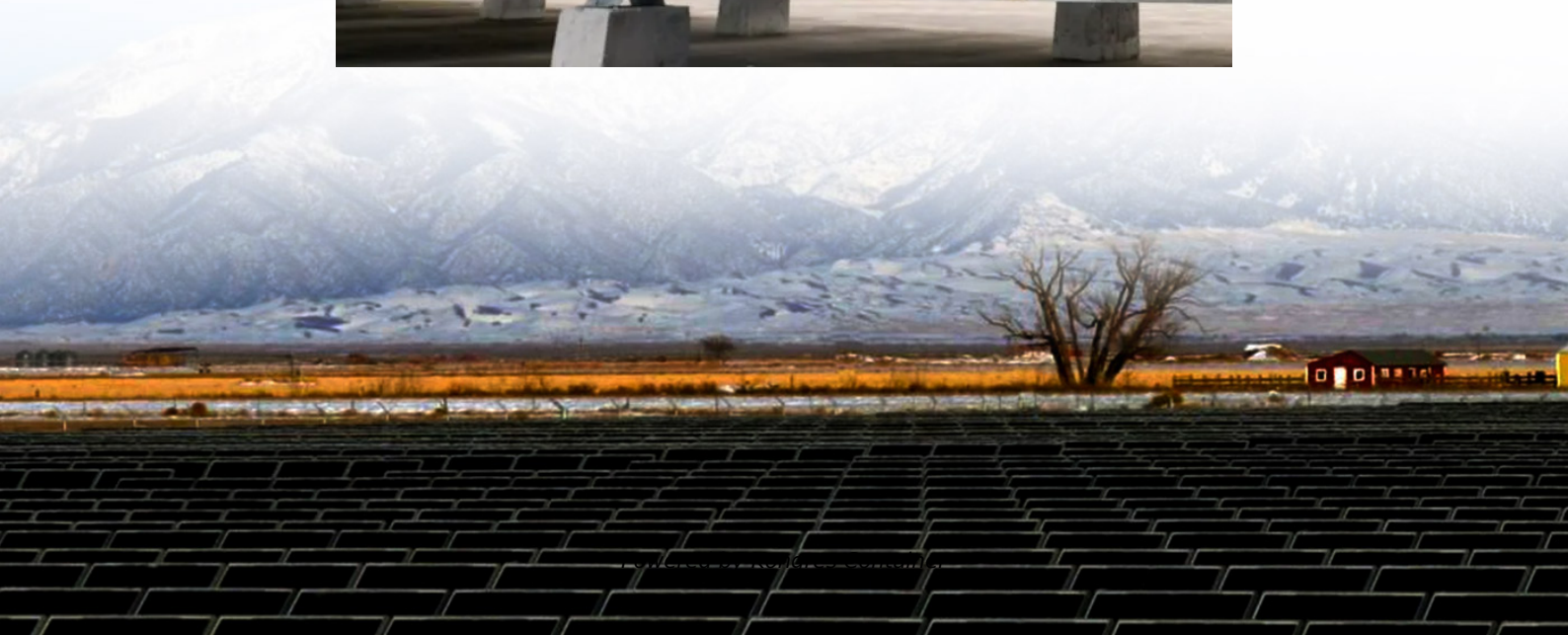


## Kongres Container

# Fire resistance rating of energy storage containers



## Overview

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What are the fire and building codes for energy storage systems?

However, many designers and installers, especially those new to energy storage systems, are unfamiliar with the fire and building codes pertaining to battery installations. Another code-making body is the National Fire Protection Association (NFPA). Some states adopt the NFPA 1 Fire Code rather than the IFC.

What is a fire proof storage container?

Our fire proof storage containers are fully tested and certified as REI 120 in accordance with the current European standard EN 13501-2 and allow you to store flammable substances close to buildings or directly on the production floor.

How do I know if a storage container is ReI 120?

In order for a storage container to be classified as REI 120, its load-bearing capacity, air tightness and fire insulation must achieve at least 120 minutes. DENIOS fireproof containers have passed Efectis fire tests in accordance with EN 13501-2.

Are energy storage systems required in the 2015 NFPA 1?

While the 2015 versions of the IFC and NFPA 1 do contain some requirements for energy storage systems, they are few compared to the 2018 and 2021 versions. The ESS requirements in the 2018 version, while certainly more restrictive than the 2015 version, are relatively modest.

What are non-residential storage requirements?

For storage capacities that exceed these limits, non-residential requirements come into play (NFPA 855 Chapters 4-9). Fire detection, including smoke and heat alarms, vehicle impact protection with approved barriers, and ventilation requirements for chemistries that produce flammable gas during normal

operation are addressed.

Why should you invest in a fireproof storage facility?

Investing in a fire proof storage facility means that hazardous substances can be stored close to production in the most convenient way. In the event of a fire, fireproof containers protect your raw materials for at least 120 minutes, giving the fire brigade time to respond.

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### Contact Us

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