

# The battery cabinet temperature should be kept at





## Overview

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What temperature should a lithium battery be stored?

The ideal operating temperature range for lithium batteries is 15°C to 35°C (59°F to 95°F). For storage, it is best to keep them in a temperature range of -20°C to 25°C (-4°F to 77°F). Extreme temperatures can significantly affect performance, safety, and lifespan.

What temperature should a battery be stored?

For best results, store batteries within the range of -20°C to 25°C (-4°F to 77°F) when not in use. Storing within this range helps maintain its capacity and reduces the self-discharge rate. Above 25°C (77°F): Accelerates the aging process. Below -20°C (-4°F): Can cause irreversible damage to the battery.

How should batteries be stored?

Manufacturer instructions: Always refer to the manufacturer's instructions on the best/safest way to store batteries and adhere to their guidance. Storage Temperature Range: Batteries should be stored in a cool, dry place, ideally at room temperature.

What temperature should a lithium battery be charged at?

High temperature charging may cause the battery to overheat, leading to thermal runaway and safety risks. It is recommended to charge lithium batteries within a suitable temperature range of 0 ° C to 45 ° C (32 ° F to 113 ° F) to ensure optimal performance and safety. \*The lithium battery maximum temperature shall not exceed 45 ° C (113 ° F)



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### What's the Optimal Lithium Battery Storage Temperature?

Extreme cold reduces ion mobility, while heat accelerates degradation. Storage Temperature: For long-term storage, the ideal lithium ion battery storage temperature is 10°C to 25°C (50°F to ...

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