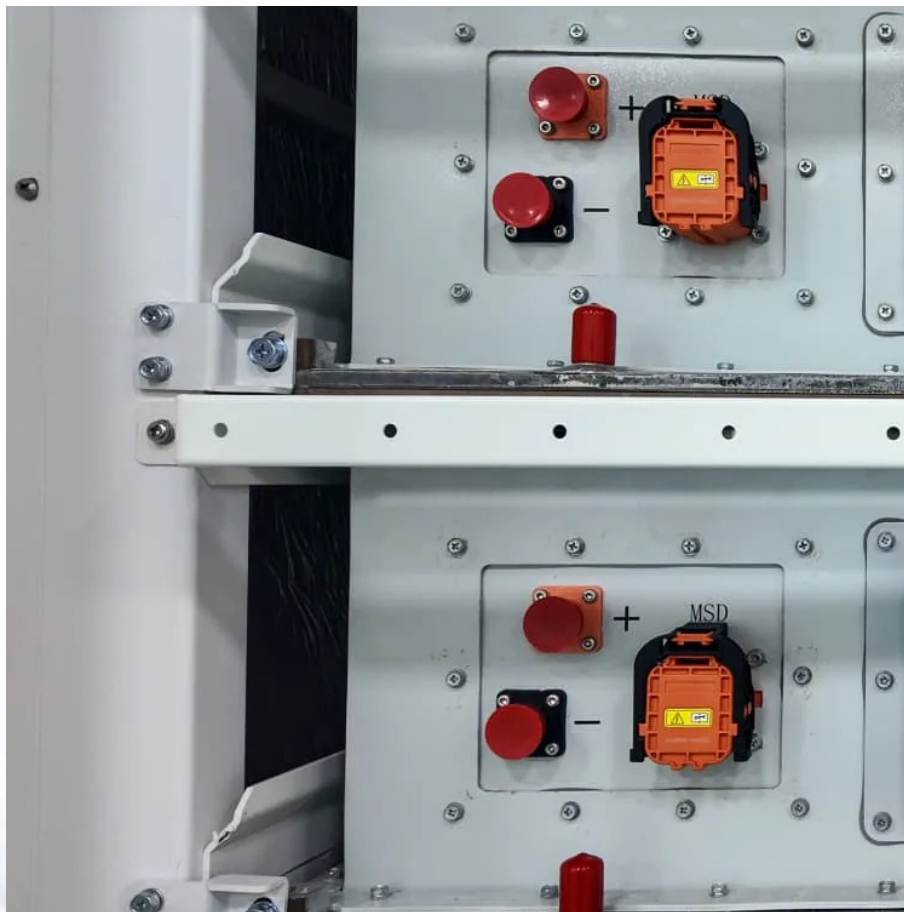


# How to use the battery cabinet temperature management system





## Overview

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How to improve battery thermal management system performance?

The battery thermal management system performance can generally be disrupted if it's located in an area with excessively high or low temperatures. Solution: Add a heating system (PTC heater) and thermal insulation when extreme temperatures occur.

What is a battery thermal management system?

Solution: Add a heating system (PTC heater) and thermal insulation when extreme temperatures occur. The battery thermal management system is one of the most crucial components, particularly in electric vehicles and modern energy storage systems, as it is responsible for maintaining battery performance, efficiency, and safety.

Why is thermal management important for a battery energy storage system?

Continuous operation of the thermal management system is critical to ensuring a safe operating temperature for the battery energy storage system. ABB's control and power protection products help to reduce downtime and support continuity of service in any condition.

What is a thermal management system?

A thermal management system (TMS) allows for safe and efficient battery performance through temperature regulation. The system controls the operating temperature of a battery by dissipating heat when the battery is too hot or supplying heat when the battery becomes too cold.



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