

# Immersion cooling of energy storage batteries



## Overview

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By submerging batteries in a dielectric liquid coolant, this innovative technology prevents fires, enhances system efficiency, and ensures long-term safety and reliability across diverse applications.

## Immersion cooling of energy storage batteries

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### [Immersion Cooling for Lithium-Ion Battery Energy Storage Systems](#)

Immersion cooling represents a promising evolution in battery thermal management. Its ability to deliver uniform cooling and mitigate safety risks could make it a preferred choice for next

### Haptics Resource Library

Immersion - Innovating for the Future. We're here to develop and expand the use of haptic technology to improve people's interactions with their digital environment, making it intuitive, engaging, and helpful.



### Locations

Locations Immersion HQ 2999 N. E. 191st Street Suite 610 Aventura, FL, 33180 Immersion Canada Email: IR@immersion Immersion Japan K.K. Otemachi Financial City Grand Cube 18F 1-9-2

### [Water-Immersion Cooling for Lithium-Ion Battery Thermal](#)

In recent years, immersion cooling has gained wide interest for thermal management of lithium-ion batteries. Usually, dielectric oils or fluorinated liquid are used as immersion coolants to



### Automotive



Immersion's Automotive Haptic Product Development Kit helps automotive suppliers design, customize and build their automotive haptic system for touchscreens, touch surfaces, button consoles, steering

### [Immersion Cooling and Fire Suppression for BESS](#)

Instead of attempting to suppress flames after they start, immersion cooling prevents fires altogether by submerging battery cells in a dielectric fluid. This fluid absorbs and disperses heat



### [A review of thermal management of batteries with a focus on](#)

This study provides a comprehensive and up-to-date review of battery immersion cooling, offering valuable insights to advance battery thermal management systems and support the transition

## Press Releases

Experts in haptic technology building touch experiences in the digital world



## Home Page

Immersion's works closely with its ecosystem partners to build high-quality digital touch experience. We can help you chose the right part to deliver the haptic experience you envisioned.

## Investor Relations

When you own a piece of Immersion, you're

touching technology-literally. Since 1993, we've delivered innovations that blur and break the boundary between the digital world and reality.



### [Liquid Immersion Cooling for Battery Packs](#)

Direct liquid cooling, also known as immersion cooling, is an advanced thermal management method where battery cells are submerged

### Partners

Immersion's Partner Ecosystem We work with the best companies in the industry to create comprehensive, holistic haptic solutions for their end customers. By working with Immersion, you'll



### Haptic Technology

Immersion Reference Designs Provide the Blueprints to Build Great Haptic Experiences Building a high-performing haptic system requires expert knowledge and detailed insight on how each haptic

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