



# Lithium latent heat

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Since 1990, LHS has been developing thermal management products for aerospace, e-mobility, military, and other mission-critical industries

No two solutions are alike. LHS combines our unique technologies to enhance performance, assure safety and extend product life.

Our engineers and chemists team together to develop solutions that support the use of lithium-ion battery usage around the globe.

Our XTS(TM) Technology is designed to solve a wide range of thermal issues related to performance and safety in lithium-ion batteries.

These products can be customized to meet your specific needs.

These products can assist in managing temperature that affects performance concerns such as maximizing cycle life and charge/discharge rates across a wide range of applications.

Work with our experts to prototype, test, and validate your pack design to protect your product from thermal runaway events.

Thermal runaway is caused by a failure in an individual battery cell that reacts and begins breaking down the internal battery structures, this causes a thermal chain reaction creating a self-propagating of the rapid heat and deterioration.

Watch how an actual battery reacts during thermal runaway with LHS XTS(TM) technology compared to a unprotected pack.

A battery-powered future demands safety and performance. Our leading thermal management solutions help absorb and store thermal energy while keeping thermosensitive components safe and efficient.

Latent Heat Systems technology provides passive energy absorption, thermal mitigation, homogeneity, and safety. These materials provide thermal protection and safety to li-ion batteries and other thermosensitive electronics.

Prolong your battery's life, improve its performance, and increase its safety with LHS" thermal management solutions. Our products are widely adaptable to many battery applications and our extensive experience in battery pack design can help you solve your thermal management issues.



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