



# DR Congo modine btms

What is Modine L-CON BTMS?

The Modine L-CON BTMS addresses the unique thermal management needs of commercial EV batteries across a broad range of vehicles by being adaptable to fit into diverse chassis layouts.

What is a Modine battery thermal management system?

The Modine Battery Thermal Management System is a complete thermal system solution that maintains the critical operating temperature ranges of vehicle batteries. Design solutions are available for both active and passive cooling circuits. Standard packaging or customized solutions available. Modine field proven patented master controls system.

Is Modine a good thermal management company?

“As a US-based thermal management solutions manufacturer, Modine is ideally positioned to serve the needs of domestic off-highway machine and specialty vehicle makers as demand continues to grow,” said Gina Maria Bonini, Vice President and General Manager of Advanced Thermal Systems at Modine.

How does the L-CON BTMS work?

The L-CON BTMS uses the vehicle's Electronics Cooling Package (ECP) to reject heat to ambient air, allowing the BTMS system to be placed anywhere on the chassis. The master smart control system of the L-CON BTMS uses the battery pack or coolant temperature.

Why should you choose L-CON BTMS?

“The L-CON BTMS gives our customers tremendous flexibility to meet their performance demands and space constraints and deliver industry-leading reliability for off-highway EVs,” said Mike Kis, Director of Advanced Thermal Systems at Modine.

What is a Modine evantage system?

Leveraging more than a hundred years of thermal management experience, Modine EVantage systems, including the L-CON BTMS, are designed, manufactured, and tested for operation in harsh environments and ruggedized to operate reliably in high-vibration applications.

Modine Design Process. Modine Testing Services. Operations. Products. BTMS. A-CON BTMS. L-CON BTMS. Cooling Modules. ECP. FC-SCP. AT-ECM. Cabin Climate System. Electric Products. ... Evantage(TM) A-CON BTMS Battery Thermal Management System Air-Cooled Condenser. Evantage(TM) L-CON BTMS Battery Thermal Management System Liquid-Cooled ...

On May 17, 2022, Modine's Manufacturing Company launched its first thermal management systems portfolio for zero-emission mobility. Over this past year, the Modine EVantage(TM) product portfolio has grown and was integrated into many zero-emissions commercial vehicles. ... The L-CON BTMS comprises an



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active heating and cooling loop in a compact ...

Together with Modine, we are powering a generation of sweepers that pollute less to deliver truly cleaner and greener streets across North America. We are excited for this partnership and the integration of advanced thermal management technology to continue delivering uncompromised performance for heavy-duty cycle sweeping applications.

Modine has found its EVantage Thermal Management System can provide the needed control to ensure colder weather doesn't put the freeze on a fleet's operations. The system can integrate into any chassis design and combines state-of-the-art, proprietary Modine heat exchanger technology with tailored smart electronic products.

The collaboration between Shyft and Modine builds on each company's strengths. Our expertise in developing and manufacturing custom chassis and work truck bodies through our Shyft Work-Driven Design(TM) process combined with Modine's deep experience in EV thermal management for medium-duty trucks means we can help ensure safety and functionality for our commercial ...

The facility in Pontevico, Italy, will start production of the Modine EVantage(TM) line of EV thermal management systems in 2024. RACINE, Wis, October 10, 2023 -- To support the growing global commercial electric ...

At the core of the function of the active cooling loop in a Battery Thermal Management System (BTMS) ... The HV Electric Compressor from Modine is field-proven in a variety of challenging environments. To assure reliability in harsh environments, they are IP67 rated. To match the available voltage in the vehicle, different models are available ...

Combining proprietary Modine's heat exchanger technology with tailored smart electronic products, the EVantage(TM) Battery Thermal Management System with Liquid-Cooled Condenser (L-CON BTMS) delivers a complete solution, including a master thermal controller and Modine-developed firmware. The L-CON BTMS is proven to

The EVantage(TM) Battery Thermal Management System will ensure peak battery performance and longevity for electric 20-ton Komatsu excavators in dirty, rugged environments. Building on the strength of a long-standing relationship, Modine (NYSE: MOD), a diversified global leader in thermal management technology and solutions, today announced that it has been ...

The Modine L-CON BTMS is designed to address the unique thermal management needs of commercial EV batteries across a broad range of vehicles by being adaptable to fit into diverse chassis layouts. The system offers plug-and-play integration, provides broad flexibility for vehicle designers and can optimize the temperature range for an entire ...



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Modine electric vehicles partners with our customers to solve the critical thermal issues created by the transition to Zero Emission Mobility. CONTACT US; Home. ... With multi-stage cooling and heating, the A-CON BTMS optimizes the ...

With the new EVantage BTMS and ECP, Modine provides a complete thermal solution to its commercial, specialty, and purpose-built EV customers, allowing their customers to focus their own engineering resources on other value-add activities. By combining Modine's state-of-the-art, proprietary heat exchanger technology and tailored smart electronic ...

The Modine EVantage suite includes the EVantage Battery Thermal Management System (BTMS) and Electronics Cooling Package (ECP), engineered to maintain optimal temperature ranges for EV batteries, traction motors, and power electronics. Ad. Load more news. Contact Sales Content.

These characteristics make them an appealing choice, especially for a Commercial EV BTMS. Modine's BTMS heaters have operating voltages between 400VDC and 850VDC, delivering up to 10kW of power. In addition, they are IP67 rated, providing assurance around durability in harsh environments. Lastly, they conform to ISO26262 and ISO16750.

Modine was selected to integrate its EVantage L-CON BTMS in Komatsu's new 20-ton electric excavators that feature a 123-kW electric powertrain and a 451-kWh lithium-ion battery pack supplied by California ...

With the new EVantage BTMS and ECP, Modine provides a complete thermal solution to its commercial, specialty, and purpose-built EV customers, allowing their customers to focus their own engineering resources ...

Modine's EVantage(TM) Universal Maintenance and Diagnostic Software provides the ability to download DM1/DM2 Diagnostic Message data logs, monitor status, monitor system response in real time, troubleshoot any potential problems, and offers a manual mode option which allows individual override control of all the major components (fans, pumps, heater, compressor, valve).

Modine is a global company headquartered in Racine, Wisconsin (U.S.), with operations in North America, South America, Europe and Asia. For more information about Modine, visit About NFI. Leveraging 450 years of combined experience, NFI is leading the electrification of mass mobility around the world.

The facility in Pontevico, Italy, will start production of the Modine EVantage(TM) line of EV thermal management systems in 2024. RACINE, Wis, October 10, 2023 -- To support the growing global commercial electric vehicle (EV) market, Modine (NYSE: MOD), a leader in engineering and manufacturing vehicular thermal management solutions, today announced ...

The new Battery Thermal Management System with a Liquid-Cooled Condenser, or L-CON BTMS, combines proprietary heat exchanger technology with smart controls and electronics designed to withstand...



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Modine's L-CON BTMS features plug-and-play integration and is adaptable to fit into diverse chassis layouts. It regulates EV battery temperature using both heating and cooling circuits, and the liquid-cooled condenser allows the BTMS to be positioned anywhere on the chassis. Coupled with a master thermal-control unit running proprietary ...

Komatsu integrates Modine's EVantage L-CON BTMS in its new 20-ton electric excavators. (Komatsu) "The L-CON BTMS gives our customers tremendous flexibility to meet their performance demands and space constraints and deliver industry-leading reliability for off-highway EVs," Kis said in a statement. "EV battery-cooling systems used in ...

With the new EVantage BTMS and ECP, Modine provides a complete thermal solution to its commercial, specialty, and purpose-built EV customers, allowing their customers to focus their own engineering resources on other value-add activities. By combining Modine's state-of-the-art, proprietary heat exchanger technology and tailored smart ...

Modine electric vehicles partners with our customers to solve the critical thermal issues created by the transition to Zero Emission Mobility. [CONTACT US](#); [Home](#). ... With multi-stage cooling and heating, the A-CON BTMS optimizes the temperature range for an entire bank of batteries with a single unit in all types of environments.

SAN ANTONIO, TX. - January 17, 2024 - Recently, Frost & Sullivan analyzed the electric vehicle (EV) thermal management systems industry and, based on its findings, recognizes Modine (NYSE: MOD) with the 2023 North American New Product Innovation Award. With over a century of experience, the thermal management system developer delivers innovative solutions for ...

Combining state-of-the-art, proprietary Modine heat exchanger technology with tailored smart electronic products, the EVantage A-CON BTMS delivers a complete solution, designed to fit any chassis. With the included master thermal controller and Modine-developed firmware, our compact system is proven to deliver



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