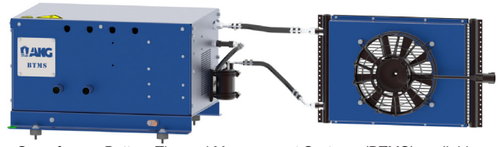
AKG is Ready for the Electrified Future of Rail



Power Electronics Coolers (PEC)



One of many Battery Thermal Management Systems (BTMS) available.

Requirement	Specification	Product(s)
Cooling	5 kW and up	PEC and BTMS
Heating	3 kW and up	BTMS
Ambient Temperature	Up to 50°C	PEC and BTMS
Condenser	Remote Mounted	BTMS
HVDC Input Range	450-850 VDC	PEC and BTMS
LVDC Input Range	24 VDC	PEC and BTMS
Refrigerant Medium	R-1234yf, R-134a, and more	BTMS
Communication Protocol	CAN J1939 and more	PEC and BTMS

Specifications and available options vary by application. AKG of America also develops custom-engineered solutions to meet specific customer requirements. Contact AKG for the latest testing and validation data, including shock and vibration performance, storage conditions, and operating temperature ranges.

Working with rail OEMs around the world, AKG develops custom-engineered cooling solutions for virtually any thermal challenge.



AKG Thermocore



Battery Tender Thermal Management



AKG®

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Mebane, NC 27302

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Fax: +1 (919) 563 - 6060
E-Mail: sales@akg-america.com
Website: www.akg-america.com

GLOBAL EXCELLENCE IN THERMAL MANAGEMENT

AKGRAEN103026

Thermal Solutions Engineered to Keep the Rail Industry in Motion

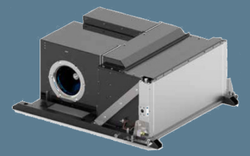
BUY AMERICA COMPLIANT



High-performance thermal management solutions for diesel, hybrid, and full-electric locomotives, battery tenders, rolling stock, and rail infrastructure. Built for reliability, efficiency, and performance in the most demanding operating environments.

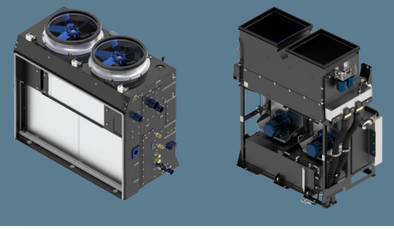
AKG-America.com

Roof Mounted Cooling Systems



Roof-mounted cooling systems maximize available vehicle space while providing efficient heat rejection for rail applications. AKG's rugged designs are engineered to withstand vibration, harsh weather, and continuous operation.

Transformer and Inverter Cooling Systems

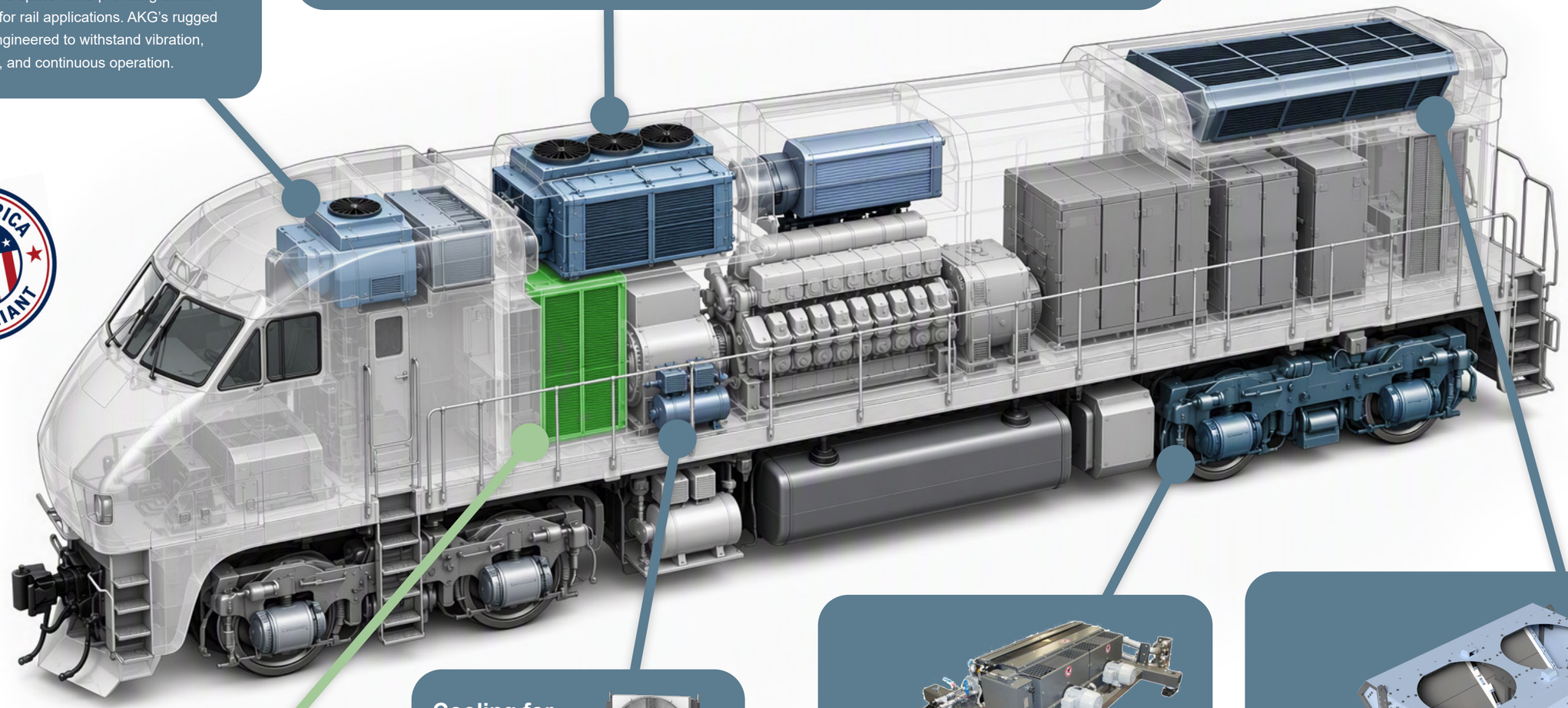


AKG cooling systems help maintain optimal operating temperatures for transformers and inverters in modern rail vehicles. Our compact, high-performance solutions improve reliability and extend the lifespan of critical power electronics.

AKG®

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Battery Thermal Management Systems (BTMS)



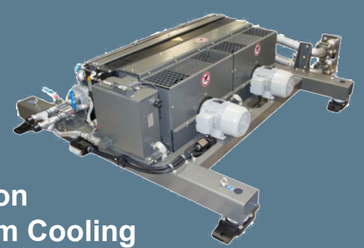
AKG battery thermal management solutions maintain batteries within their optimal operating temperature range. Designed for hybrid, battery-electric, and hydrogen-powered rail platforms, our systems deliver precise and reliable temperature control.

Cooling for Compressor Systems



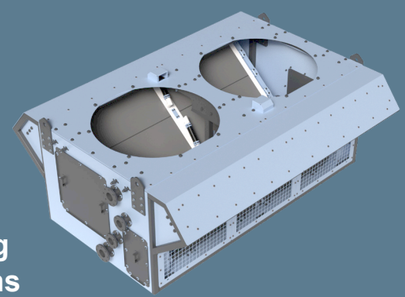
AKG cooling solutions provide efficient heat rejection for compressors used in demanding rail applications. Rugged, high-performance designs help maintain optimal operating temperatures, supporting reliable performance and extended equipment life.

Traction System Cooling



AKG's aerodynamically-designed traction cooling solutions efficiently dissipate heat from traction motors and drive systems operating under demanding conditions. Our engineered systems help maximize reliability, performance, and equipment uptime.

Engine Cooling Systems



AKG engine cooling systems provide reliable temperature control for diesel-electric locomotives and other rail equipment. High-efficiency heat exchangers improve performance while helping extend engine life and reduce downtime.