



Safety without compromise.

High-temperature resistant battery housing for lithium-ion systems.

HIGH-TEMPERATURE INSULATION | BATTERY TECHNOLOGY



In the event of a failure, lithium-ion batteries can reach temperatures of more than 1000 °C. This overheating can lead to fire. Secure casing of these high-performance batteries helps to keep the temperature under control and to ensure safety for both people and machines. Our extensive experience with high-temperature insulations enables us to make a valuable contribution to the safety of battery systems.

TMAX-BATTERY HOUSINGS

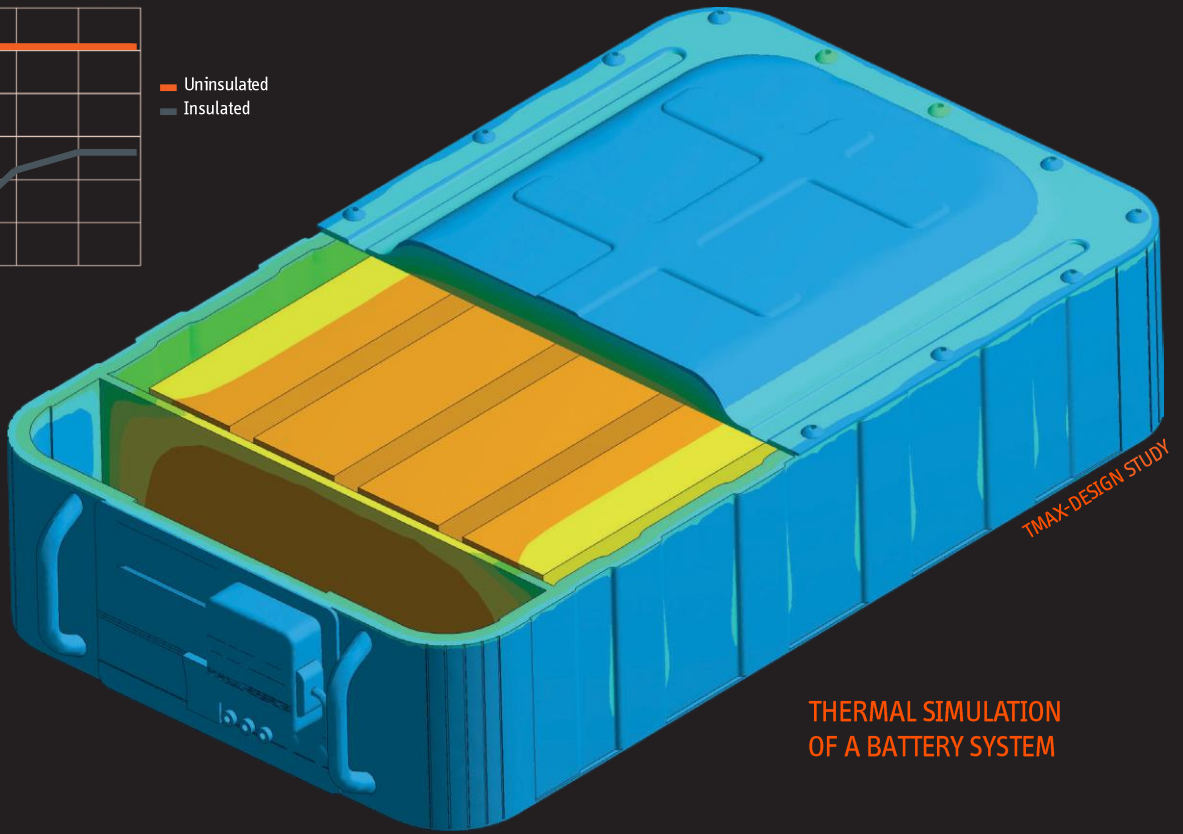
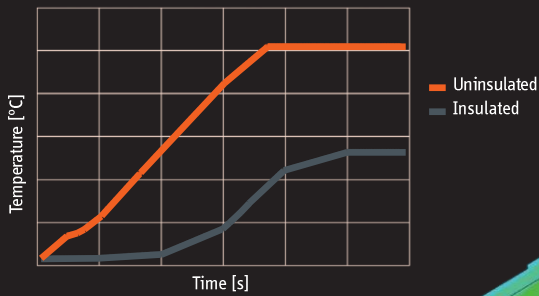
FEATURES

- | Resistant to high temperatures
- | Modular and scalable
- | Easy to maintain
- | Pressure-balanced
- | Extended lifetime enabled by temperature control components
- | Protection against water spray
- | High resistance to stone impact
- | Dust protected

BENEFITS

- | Maximum safety in case of accident
- | Optimal temperature control provides:
 - | Extended battery range
 - | Longer battery life cycle
- | Operational safety

A FORWARD - LOOKING APPROACH - FOR MORE THAN 40 YEARS. One principle has guided us since the founding of the company in 1976: Understanding Temperature. We've made handling high temperatures in engines and exhaust systems our core mission. We continue to develop unique solutions and are recognized today as a specialist in the design and manufacture of thermal and acoustic insulation systems.



THERMAL SIMULATION
OF A BATTERY SYSTEM

TMAX ALL-ROUND PACKAGE

- | Development
- | Design
- | FEM-Analysis
- | Manufacturing for all series production requirements:
small and medium series as well as large-volume production
- | Thermography
- | Assembly
- | Test lab | hot gas testing | shaker test
- | Compliant with the following standards and certifications:
IATF 16949 | DIN EN ISO 9001 | DIN EN ISO 14001 | DIN EN ISO 50001
DIN EN ISO 3834 | Marine Equipment Directive 2014/90/EU | AMS - OHSAS 18001

BENEFIT FROM SHORTER DEVELOPMENT TIMES, MORE FLEXIBILITY AND QUALITY.
WE ARE ALWAYS AVAILABLE TO ASSIST WITH OUR TECHNICAL EXPERTISE.

tmax Germany

Tel.: + 49 621 322 35 0
info@de.tmaxgroup.com

tmax USA

Tel. : +1 630 340 5682
info@thermamax.us

tmax Serbia d.o.o.

info@rs.tmaxgroup.com

tmax China

Tel.: +86 512 5377 1001
info@cn.tmaxgroup.com

tmax Italy

Tel.: +39 391 422 45 03
info@it.tmaxgroup.com

To product page:

