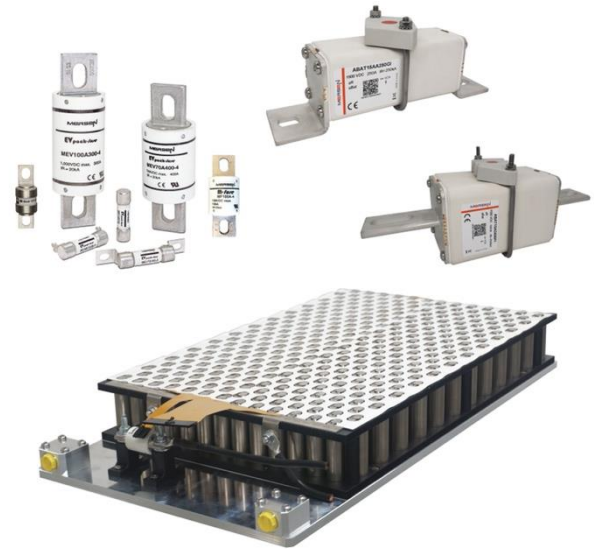


INNOVATIVE ENERGY MANAGEMENT SOLUTIONS

Mersen at Battery Show in Stuttgart – booth 4-290.

SAINT BONNET DE MURE, NOVEMBER 04, 2021 – At the Battery Show (November 30 – December 2 in Stuttgart) Mersen will present advanced solutions for batteries and energy storage systems. The market for this sector is currently undergoing a transition, to which Mersen is responding with flexibility: “Mersen has reorganized its product range to keep up with the technological advancements and market requirements for electric vehicles (EV/HEV) and electrical energy storage (EES)”, explains Philippe Roussel, VP Global Strategic Marketing, SPM. “We are striving to redefine boundaries and introduce pioneering technologies in order to make EV/HEV and EES applications safer and more reliable.”



Fuses for EV/HEV applications up to 1,000 VDC

Mersen’s [EVpack fuses for battery packs](#) fulfill the special load profile requirements of hybrid and electric vehicles. With extensive protection from 500 to 1,000 VDC and up to 800 A, for battery pack and auxiliary circuits, they ensure a minimum breaking capacity below 2kA, which is ideally compatible with the breaking capacity of DC contactor for protection against overloads. A product highlight is the MEV50A series. It ensures a low minimum breaking capacity ($4 \times I_n$ or 2 kA), high circuit-breaking capacity of 30 kA for all battery types, and optimal energy efficiency with low power losses. In addition, the solution features excellent cycle capability and conforms to ISO 8820 and international electrical standards (JASO D622, IEC 60 269-1 and -4, IEC 60 269-7). EV fuses are available in five sizes with diameters from 20-45 mm, and the design can be individually adapted.

Fuses for Electrical Storage Systems up to 1,500 VDC

Mersen offers a broad portfolio of products and solutions for all aspects of [safe electrical energy storage](#). At the trade show the globally operating company will present recent additions to its extensive range of DC over-current protection products: [aBAT15AA & AD fuses](#) are suitable for 1500 VDC applications with rated currents from 100 to 500 A, and they conform to the latest IEC 60 269-7 safety standard for battery protection. These innovative fuses can quench fault currents up to 3 times the rated current and up to 250 kA for protection against large short circuits. The aBAT series also features a compact design, low power losses and high cycle strength.

Bus bars for monitoring and connection of battery cells

With the [Infini-Cell](#) Mersen has developed a laminated and extremely thin, single-layer bus bar with integrated contacts for battery assemblies that is very versatile: The space-saving solution connects not

only the battery cells, but also monitors their temperature and voltage, prevents wiring errors and offers protection against impacts and vibrations.

High-performance battery thermal management

Mersen offers a complete assortment of [battery cooling solutions](#) for applications in various key markets, such as EV and eMobility. One example of the company's innovative solutions is an ultra-thin liquid cooling plate with a thickness of less than 7 mm. It can be used in formats of up to 650 x 2000 mm. To meet the requirements for homogeneity in battery cells, the high-performance design features a custom-tailored liquid flow system with no fluxing agents for excellent corrosion resistance and a longer life.

Enlight

[Enlight film capacitors](#) have long been known and appreciated for their very low inductance, robust design and long life. These capacitors convince with very high rated currents and an optimal cost-effectiveness ratio. That makes them the ideal solution for use in frequency converters and DC links in wind energy or photovoltaic technology. In addition, they offer the capability of asymmetrical terminal heights or other custom adaptations – a unique selling proposition on the market.

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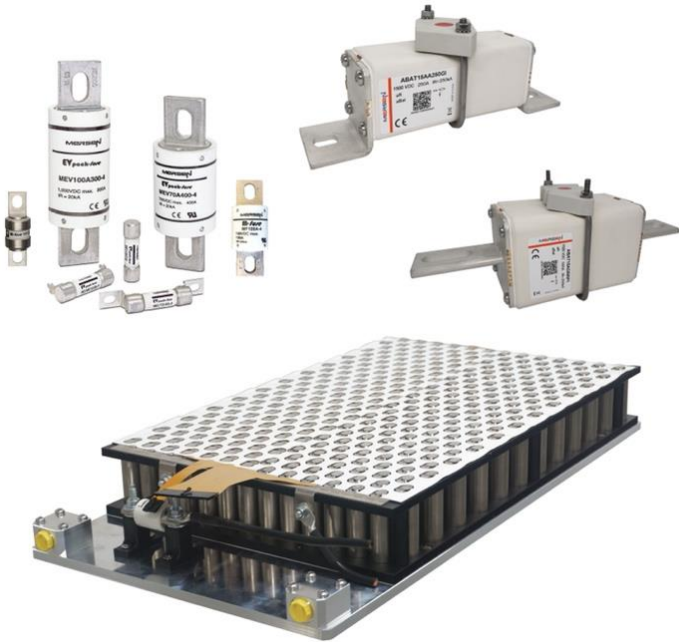
Visit Mersen from November 30 to December 2, 2021 at the [Battery Show](#) at booth 4-290.

ABOUT MERSEN

Mersen is a global expert for electrical power and advanced materials for high-tech industries. With more than 135 years of experience, the company is represented in over 50 industrial locations and 16 R&D centers in 35 countries.

Mersen Electrical Power offers a broad product portfolio in the area of electrical protection and control, and offers solutions for power management applications. For the development and delivery of custom tailored solutions and key products for various key markets such as trade, industry, renewable energies, power electronics and eMobility, the teams at Mersen Electrical Power work together with customers around the world. Mersen's mission is to make customer applications safer and more reliable. For more information please visit ep-de.mersen.com.

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Image overview:

Mersen-Battery-Show.jpg: At the Battery Show Mersen will present a broad product portfolio of batteries and energy storage systems

Photo: Mersen

Meta title

Innovative energy management solutions

Meta description

At the Battery Show Mersen will present advanced solutions for batteries and energy storage systems.

Keywords

The Battery Show, Mersen, EES, energy storage, energy storage systems, safety fuses, cooling solutions, bus bars

Deeplinks:

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