

## MERSEN AT PCIM 2024

**SAINT BONNET DE MURE, APRIL 29<sup>TH</sup>, 2024** – Mersen, an expert in the field of electrical protection and power management solutions, will present a diversity of new products and solutions for Power Electronics, e-mobility, charging stations and energy storage systems at PCIM 2024 in Nuremberg from June 11-13, 2024.

### **New 500 kVA – 1.7kV SiC Power Stack**

Mersen is glad to introduce its latest SiC Power Stack reference design. With capabilities up to 1200 Vdc DC bus and up to 300 Arms at 25 kHz, [this evaluation kit](#) helps inverter designers save time and confusion in selecting individual components by taking benefit from a solution that is optimally pre-designed for their specific application (e.g. DC Smart Grid, EV charging stations, renewables, e-mobility). In addition, Mersen unique capacitor-to-bus-bar assembly technique offers DC-link inductance as low as 7 nH.

Upon request, our engineering team will support your design customization and optimization to better meet your specific needs (form factor, performance, topology).

### **Innovation in DC high voltage fuses for 1500 V, 1000 V and 500 V platforms**

At PCIM, Mersen will also present innovative products for emerging markets. The focus will be on new fuses for energy storage systems, charging stations and electric vehicles.

[With ABAT and GBAT fuses](#) for energy storage, D-fuses for charging stations and MEV fuses for electric vehicles, Mersen has developed a complete product portfolio to withstand high alternating load cycles and low power losses, which improves the reliability and efficiency of the system.

The new Power Pack fuse design will be introduced during PCIM. The power pack fuse proof of concept has been specifically designed to meet the latest MegaWatt Charging requirements.

### **Custom solutions for cooling, bus bars and capacitors**

Visitors to PCIM can also learn about Mersen's expertise in a wide range of passive components like cooling plates, capacitors and bus bars solutions.

The company has extensive expertise in vacuum brazing and in the simulation of cooling systems for power electronic components, as well as in 180 °C high temperature and very low inductance bus bars. Mersen also has decades of experience in the production of [custom capacitor solutions and their sub-assembly with bus bars](#).

### **Live presentation on electric vehicles**

In addition to numerous innovative products, visitors to the Mersen booth can look forward to an exciting presentation on new challenges in EV battery protection and interconnection on June 11 and 12 from 12:30 to 12:50.

Furthermore, VP Power Stack Product Line Philippe Roussel will be available every day on the booth to present the latest developments from Mersen in Power Stack optimization.

**Visit Mersen at the PCIM Europe in Nuremberg in Hall 9, Stand 534.**

(2,786 characters incl. spaces)

## ABOUT MERSEN

Mersen is a global expert in the field of 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 18 R&D centers in 34 countries.

Mersen Electrical Power offers a broad product portfolio in the area of electrical protection and control, in addition to 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.mersen.com](http://ep.mersen.com).

**THE GROUP IS LISTED ON EURONEXT PARIS – SECTION B.**

## Captions



**Mersen-SiC-Power-Stack.jpg:** Mersen SiC 1.7 kV SiC Power Stack: an example of conception optimization and design cycle-time with testing and design validation in our labs

*Photo: Mersen*



**Mersen-Power-Pack-fuse.jpg:** Mersen Power Pack fuse: 1000VDC compact fuse with high cycling capabilities

*Photo: Mersen*



**Mersen-ABAT-GBAT-jpg:** High-speed ABAT and GBAT fuses from Mersen protect battery storage systems against surge and fault currents

*Photo: Mersen*

**Meta title**

Mersen at PCIM 2024

**Meta description**

The power management specialist will present a new optimization and evaluation kit for power stacks in Nuremberg.

**Keywords**

Mersen, PCIM 2024, power electronics, power stacks, inverters, power management, energy management, battery racks, charging stations, e-mobility, electric cars, fuses, capacitors, cooling solutions

**Deep links:**

<https://ep-fr.mersen.com/en/products/engineering/power-stack-design-optimization-evaluation-kits>

<https://ep-fr.mersen.com/en/products/engineering/capacitors>

<https://ep-fr.mersen.com/en/products/engineering/new-solutions-ees>

<https://ep-fr.mersen.com/en/products/series/nh-fuse-links-gbat-1000v-1500v-dc>

**Download area:** <https://www.koehler-partner.de/pressezentrum/merсен>

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