

SOCOMEK and JSR MICRO NV announce the launch of a lithium-ion-capacitor based UPS.

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SOCOMEK and JSR Micro N.V. announce the launch of a lithium-ion-capacitor based UPS as a result of a joint collaboration effort. The system uses Socomec's state-of-the-art UPS equipment in combination with ULTIMO® Lithium Ion Capacitors, supplied by JM Energy Corporation.

The UPS system, supplied by SOCOMEK, has been designed to provide short-term back-up power to critical support equipment. By protecting installations from power outages in the seconds to minutes range, damage caused by such short-term interruptions will be avoided, manufacturing downtime will be reduced and the cost of productivity loss due to process interruptions will be lowered significantly. This innovative solution overcomes the limitations of the traditional storage systems for UPS particularly for those applications working in critical environments where hazardous substances are not allowed, or applications with severe ambient conditions and where long recharging time is a constraint. The use of cell to cell monitoring makes this a fully integrated system that enhances the power availability for the load. The first such system is already demonstrating flawless operation at the JSR Micro NV facility, protecting its critical equipment.

ULTIMO® Lithium Ion Capacitors, supplied by JSR Micro NV in Europe, are used as the energy storage device within the UPS. By integrating them in modules that are sized for plug-and-play installation in conventional UPS-equipment, a safe, compact and easy to integrate solution is obtained that gives maximum flexibility for sizing a specific requirement. In addition, the service life characteristics of the ULTIMO® devices result in a maintenance-free solution for critical back-up applications at the lowest cost of ownership.

A lithium-ion-capacitor is a type of hybrid supercapacitor, combining properties of lithium-ion-batteries with properties of electric double layer capacitors. As a result, they offer a high energy density and a high power density in combination with an outstanding life cycle and are safe to use.

ABOUT JSR MICRO N.V.

JSR Micro N.V., based in Leuven, Belgium, is a subsidiary of JSR Corporation, a multinational company employing approximately 6000 people worldwide and a leading materials supplier in a variety of technology-driven markets. JSR's global network is headquartered in Tokyo (Japan) and has factories and offices in Europe, US, China, Taiwan, Korea, Singapore and Thailand.

JSR is a research-oriented organization that pursues close collaborations with leading innovators in a number of industries that are key to the present and future welfare of human society: life-sciences, energy storage, synthetic rubbers, electronic materials, display and optical materials. 'Innovation one-on-one' summarizes our value proposition to our customers.

Through timely and close collaboration with its partners, JSR offers its customers a competitive advantage based on leading edge technologies, consistent high quality and balanced cost of ownership.

JM Energy Corporation is a fully owned subsidiary of JSR Corporation.

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ABOUT SOCOMEC

Founded in 1922, SOCOMEC is an independent, industrial group with a workforce of 3000 people spread over 21 subsidiaries in the world. Our core business – the availability, control and safety of low voltage electrical networks with increased focus on our customers' power performance. In 2013, SOCOMEC posted a turnover of 437 M€.



MORE INFORMATION

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