

Driving innovation in the clean energy sector – the safest outdoor energy storage system

February 10, 2022.

The battery industry has now been on the upturn for many years, impacting all business segments where energy storage is deployed – including residential, commercial and industrial buildings and utilities. The commercial and industrial (C&I) sector has specific technical and financial requirements, whereby high flexibility is expected, a range of storage services are required and there are high safety standards to meet. In response, SOCOMEC has launched a new system - SUNSYS HES L – to address these challenges.

Founded in 1922, Socomec is a manufacturer of electrical equipment for conversion, switching, monitoring and measurement. Since 2010, in parallel to providing these critical components to leading battery manufacturers, Socomec has offered its own range of energy storage solutions including power conversion products (100 kVA to 1,2MVA) and fully-integrated systems for microgrids, the C&I market and co-location renewable production facilities.

With the launch of the innovative SUNSYS HES L - a native outdoor system that merges proven technologies to create an all-in-one solution - SOCOMEC has set groundbreaking standards in terms of product safety. Collaborating with CATL (Contemporary Amperex Technology Co. Limited), the leading Li-ion battery manufacturer, SOCOMEC selected the EnerOne range as the perfect-fit battery for its new Energy Storage System.



The SUNSYS HES L was designed to deliver “choice without complexity”. The concept is based on two main cabinets – a converter cabinet (SUNSYS C-Cab L) and battery cabinet (SUNSYS B-Cab L) that can be positioned in parallel, providing high flexibility and modularity for the whole system.

The C-Cab L is made-up of 50 kVA power conversion modules, which can be extended up to 300 kVA per cabinet.

Inner parts of the cabinet integrate the Battery Management System, which is, above all, the brain of the system; a smart automation box allowing storage functions to be stacked in order to maximize savings and speed up the return on investment.

The B-Cab, based on liquid-cooled Lithium Iron Phosphate (LFP) battery modules and including a fire protection system, guarantees a high level of safety for customers. Additional cabinets make it possible to increase the energy (SUNSYS DC-Cab L) or to develop tailor-made services for on-grid and off-grid applications (SUNSYS AC-Cab L).

Furthermore, SOCOMEC guarantees a fast and error-free installation, by providing a DC connection kit with all the necessary cables and a cable gutter between the C-Cab and the B-Cab, as well as by shipping the B-Cab with the battery modules pre-assembled in order to reduce logistical efforts and on-site installation time.

For this new approach, SOCOMEC has set up dedicated service teams to support customers throughout the life cycle of the system. From the design of the customised solution, as well as during the installation and commissioning phases, and for its on-site operation via maintenance contracts, warranty extensions and remote monitoring, SOCOMEC can provide a comprehensive range of support services.

With services that guarantee efficiency over time – as well as a fast and straightforward installation process – the solution has been designed to appeal to both end-users and system integrators, with commercial uptake already high in the NAM and EMEA regions and the system being fast proven in the field.

Discover the new outdoor energy storage system SUNSYS HES L [here](#).

About SOCOMEC

Founded in 1922, SOCOMEC is an independent industrial group with a workforce of 3600 experts spread over 28 subsidiaries in the world. Our core business: the availability, control and safety of low voltage electrical networks serving our customers' power performance. In 2019, SOCOMEC posted a turnover of 572M€.