

Battery system from Webasto: More energy for commercial vehicles and mobile machines

The energy content of 40 kilowatt hours, high safety standards and flexible installation options for the high-voltage battery make the new Standard Battery Pro 40 the ideal solution for electrically powered commercial vehicles.

Gilching, May 14, 2024 - As part of a product update, Webasto is increasing the energy content of its traction batteries from 35 to 40 kilowatt hours (kWh). The standardized product design of the new Standard Battery Pro 40 gives existing and new customers planning security for the coming years and facilitates multi-year electrification projects. Up to 18 **Pro 40** batteries with a total energy content of up to 720 kWh provide sufficient power to drive electric commercial vehicles in the voltage range of 400 or 800 volts.

Well equipped for the off-highway sector

Like its predecessor, the **Standard Battery Pro 40** is protected by a robust aluminum housing. In a space measuring 960 x 687 x 302 millimetres, it meets the highest requirements in terms of safety, availability and stability. The standardized battery system weighs 297 kilograms, can be integrated vertically or horizontally into vehicles and offers system integrators and vehicle manufacturers maximum freedom during installation. Thanks to its identical dimensions, the high-voltage battery fits seamlessly into all installation spaces that already use the previous Webasto standard battery system. Webasto has also ensured interaction with the Webasto eBTM thermal management solution, which keeps traction batteries within the ideal temperature range regardless of the outside temperature. During operation, a series of sensors continuously monitor the temperature of the battery so that the protective mechanisms, including various fuses, take immediate effect in the event of a malfunction.

Webasto develops and produces both the control electronics and the battery at its German sites in Schaidt, Schierling and Stockdorf.

Pro 40 meets industry standards

The new Standard Battery Pro 40 meets all the necessary standards for selected areas of application: In addition to ECE R100 and R10 approvals, the Standard battery system covers the CE specifications for selected mobile machinery as well as a range of safety standards, including ISO 6469, ISO 19014 and ISO 26262 (ASIL level C). The high-voltage battery is protected against the ingress of dust and water in accordance with IP67.

"The electrification of commercial vehicles and machines is progressing at an ever-increasing pace, which also increases the demands on traction batteries. With the Webasto Standard Battery Pro 40, we now offer our customers an even higher energy content in a robust battery pack to provide sufficient reserves for an entire working day," says Dr. Lena Beckmann, Director Batteries and Electrical Thermal Management at Webasto. "With the update of our standard battery system and our extensive portfolio of electrical thermal management solutions, we offer system integrators and vehicle manufacturers a strong foundation to put the mobility transition in the commercial sector on a sustainable footing."

Press release

About Webasto

As a global innovative systems partner to the mobility industry, Webasto is one of the 100 largest suppliers to the automotive sector worldwide. In development, manufacturing and sales, the company focuses on roof systems on the one hand and on vehicle electrification on the other hand. The product range includes, openable and fixed panoramic roofs, electric high-voltage heaters and batteries, as well as thermo management solutions. Among the customers of Webasto are manufacturers of passenger cars, commercial vehicles, and boats, as well as dealers and end customers. In 2022, the Group generated sales of over 4 billion euros and employed about 16,800 people at more than 50 locations. The headquarters of the company, which was founded in 1901, is located in Stockdorf near Munich (Germany). For more information, please visit www.webasto.com

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