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Busworld 2019

Battery electric Scania Citywide bus in new city and suburban range

Scania introduces its battery electric Scania Citywide bus in the new city and suburban range.

“We pride ourselves in being able to offer the widest choice of alternative fuels and have now added a state-of-the-art electric bus to that array of alternatives,” says Anna Carmo e Silva, Head of Buses and Coaches at Scania. “With the growing market for battery electric buses, Scania offers outstanding products and services that designed for maximal uptime and operating economy.”

The 12-metre Scania Citywide BEV comes equipped with a powerful 300 kW electric motor. With Scania’s oil spray cooling system for the motor there are no torque limitations in hilly and warm environments. Even at an eight-percent grade, the bus will maintain a speed of 30 kilometres. This cooling system also eliminate the need for AC compromises with both systems fully operational in parallel.

The batteries have been divided with four on the roof and four in in the rear overhang to give a lower centre of gravity, enabling better bus driveability and handling. This distribution of weight enables the bus to carry up to 95 passengers.

The Scania Citywide BEV showcased at Busworld is built for opportunity fast charging through the inverted pantograph. With fewer batteries, the bus is equal in weight to traditional diesel and gas bus with a similar passenger capacity. In addition to 300 kW DC roof-mounted pantograph charging, the bus is equipped both for alternating and direct current depot charging.

“With a range of 80–150 kilometres, the Scania Citywide is well-suited for the vast majority of inner city routes. Naturally, each transport system must be optimised based on its own set of conditions, however our analyses clearly show that charging throughout the day in most cases provides the best total operating economy,” says Carmo e Silva.

All the main components, such as batteries and powertrain, have been designed and engineered by Scania, thereby vouching for complete vehicle optimisation. Scania can therefore take complete vehicle responsibility with services and expertise in its global network, which ensures maximum availability.

The bus joins the range of the new Scania Citywide with better passenger capacity, comfort and driveability. The range is characterised by a completely new lighter interior styling with larger side windows and higher ceiling height.

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Scania is a world-leading provider of transport solutions. Together with our partners and customers we are driving the shift towards a sustainable transport system. In 2018, we delivered 88,000 trucks, 8,500 buses as well as 12,800 industrial and marine engines to our customers. Net sales totalled to over SEK 137 billion, of which about 20 percent were services-related. Founded in 1891, Scania now operates in more than 100 countries and employs some 52,000 people. Research and development are concentrated in Sweden, with branches in Brazil and India. Production takes place in Europe, Latin America and Asia, with regional production centres in Africa, Asia and Eurasia. Scania is part of TRATON SE. For more information visit: www.scania.com.

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