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Brunswick Gets First Of Five Electric Buses With Wireless Charging



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FEATURED



12m Solaris battery-electric bus with the PRIMOVE inductive charging system from Bombardier

Recently, Braunschweiger Verkehrs from Brunswick, Germany got the first 12m Solaris electric bus, equipped with Bombardier PRIMOVE inductive charging.

All together, in the project "EMIL" (Elektromobilität mittels induktiver Ladung, electric mobility via inductive charging), five such buses (12m and 18m long) will operate on a 12 km line.

Very high is the power of this wireless charging system- up to 200 kW. Buses will not be fully charged at once at bus stops, but instead several times throughout the whole day at different locations (see video). Battery pack capacity is 60 kWh.

Interesting is the receiver, which has some kind of undercarriage pantograph-like mechanism to reduce the distance to the ground charging pad.



12m Solaris battery-electric bus with the PRIMOVE inductive charging system from Bombardier



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Undercarriage charging pad

The drivetrain of the bus comes from Vossloh Kiepe and puts out power of 180 kW (240 kW in 18m version).

“On March 27, 2014 a 12 m long battery bus from Solaris with electrical traction and on-board power supply equipment from Vossloh Kiepe went into passenger service with the Braunschweiger Verkehrs-AG as the first of altogether five buses. For the first time ever the modular system from Vossloh Kiepe has been combined with the inductive charging system Primove from Bombardier.”

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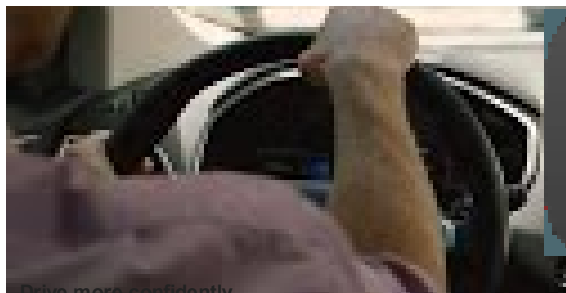
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Source: “EMIL” (Elektromobilität mittels induktiver Ladung, electric mobility via inductive charging) via Green Car Congress





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4 responses to "Brunswick Gets First Of Five Electric Buses With Wireless Charging"



Thomas

April 23, 2014 at 4:29 pm

To my understanding the 12m version comes with a 180 kW motor and a 60 kWh battery and the later to be delivered 18m version comes with a 240 kW motor and a 90 kWh battery.

There is no video to watch included in this news.



Mark Kane

April 23, 2014 at 5:05 pm

You are probably right.



Eric Loveday

April 23, 2014 at 5:24 pm

There is now!!!



Priusmaniac

April 24, 2014 at 10:50 am

190 KW wireless, that must be the highest power up to now.

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