



Volvo Buses. Driving quality of life

# VOLVO 7900 ELECTRIC

Go where people want to go



<b>Model</b>	Volvo 7900 2-axle low floor single deck electric citybus
<b>Body specification</b>	Volvos patented lightweight aluminium body concept. Front and rear wall in composite material and ABS elements. Front and rear structure in anti-corrosion steel. Double tinted glazing. Multilayer exterior paint finish. Easy repair of minor damages. Parts commonality between city and intercity buses to lower maintenance cost. Anti-corrosion treatment of underbody with conservation sealing and silencing agents. LED lights. Daytime running lights. Fog lights and auxiliary lights as option. Electrically adjustable and heated external mirrors.
<b>Electric motor</b>	160kW / 400Nm
<b>Transmission</b>	Volvo 2-speed automatic transmission.
<b>Energy storage system</b>	High capacity 19kWh Lithium-Ion battery, which is water cooled using an active electronic system. Ramp heating with 400 VAC. Battery energy capacity is optimised according to conditions and energy requirements. This enables fast charging and maintains a high passenger capacity.
<b>Charging system</b>	The Volvo conductive opportunity charging system features roof-mounted charging rails centrally mounted above the front axle. Pantograph mounted to a charging station. Fully automatic fast charging sequence.
<b>Rear axle</b>	ZF AV132. Portal, double reduction axle, with optimised ratio.
<b>Brakes</b>	Volvo electronically controlled disc brakes (EBS 5). Brake Blending function (all). The electric motor functions as a retarder and recovers braking energy.
<b>Steering</b>	Hydraulic steering, electrically driven power steering pump.
<b>Suspension</b>	Electronically controlled air suspension with kneeling function.
<b>Electrical</b>	Automatic shut off of main switch at low voltage level.
<b>Tyres &amp; Wheels</b>	7.5 x 22.5" wheels with 275/70R22.5 tyres.

