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Solaris Urbino 12 hydrogen new generation

Technical data

Dimensions	L 12,000 mm, W 2,550 mm, H 3,300 mm
Front overhang	2,700 mm
Wheelbase	5,900 mm
Rear overhang	3,400 mm
GVW (gross vehicle weight)	19,500 kg (up to 20,000 kg depending on the country and tyre type)
Door arrangement	2-2-2, 2-2-0
Electric motor	Central, 250 kW
Electric drive	Modular drive, SiC technology
Front axle	Independent axle, with stabiliser
Drive axle	Portal axle
Hydrogen fuel cell	from 70 kW (depending on the configuration)
Batteries	Solaris High Power
Passenger capacity	~90
Maximal number of seats	41
Maximal number of seats available from low floor	16
Air conditioning	2x CO ₂ air-conditioning with a heat pump, Driver's cabin air-conditioned via AC of the passenger compartment

Safety and driver assistance systems	GSR2 compliant, R66 Compliant Solutions included in mandatory GSR2: AIF (Alcolock Interlock Installation Facilitation), BSIS (Blind Spot Information System), DDAW (Driver Drowsiness and Attention Warning), ESS (Emergency Stop Signal), ISA (Intelligent Speed Assistant), MOIS (Moving Off Information System), RD (Reversing Detection), TPMS (Tire Pressure Monitoring System) Additional systems: E-mirrors, LDW(S) (Lane Departure Warning System), LSM (Left side monitoring), PLCA (Passive Lane Change Assist) TSR (Traffic Sign Recognition) Braking system: Acceleration Slip Regulation (ASR), Brake assistance, Brake pads wear monitoring, Electronic Braking System (EBS), Hill Holder Additional braking systems: Collision Mitigation System (CMS) Electronic Stability Control (ECS)
H2 system safety measures	Hydrogen leak sensors, Safety monitoring devices, Roof-mounted components, Low-positioned refuelling connector, Composite Type 4 tanks (350 bar, low permeation rate), TPRD valves, Excess Flow Valve, Multifunction solenoid valve Regulation No. 134 on Uniform provisions concerning the approval of motor vehicle and their components with regards of the safety-related performance of hydrogen-filled vehicle (HFCV)