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Solaris Urbino 18 hydrogen

Technical data

Low-floor, hydrogen-powered articulated bus	
Dimensions	L 18,000 mm, W 2,550 mm, H 3,300 mm
Front overhang	2 700 mm
Wheelbase	5 900 / 6 000 mm
Rear overhang	3 400 mm
GVW (gross vehicle weight)	29,000 kg
Door arrangement	2-2-2-0 Optional: 1-2-2-0 / 1-2-2-2 / 2-2-2-2
Entrance height	320 mm
Articulation mechanism	Electronically controlled
Engine	central motor
Front axle	independent axle
Centre axle	neutral axle
Drive axle	— portal axle – central engine standard
Hydrogen fuel cell	— 100 kW
Hydrogen tanks	— composite tanks 5 x 312 l — composite tanks 3 x 190 l
Charging system	Plug-in (for servicing purposes)
Batteries	Solaris batteries, about 60 kWh
Passenger capacity	Up to 140 passengers depending on the configuration and equipment
Maximal number of seats	53
Maximal number of seats available from low floor	20

Air conditioning	<ul style="list-style-type: none">— CO₂ air-conditioning with a heat pump— air-conditioning with electric drive (optional)
Driver assistance systems	<ul style="list-style-type: none">— Mirror Eye— Mobileye Shield +— Touch screen