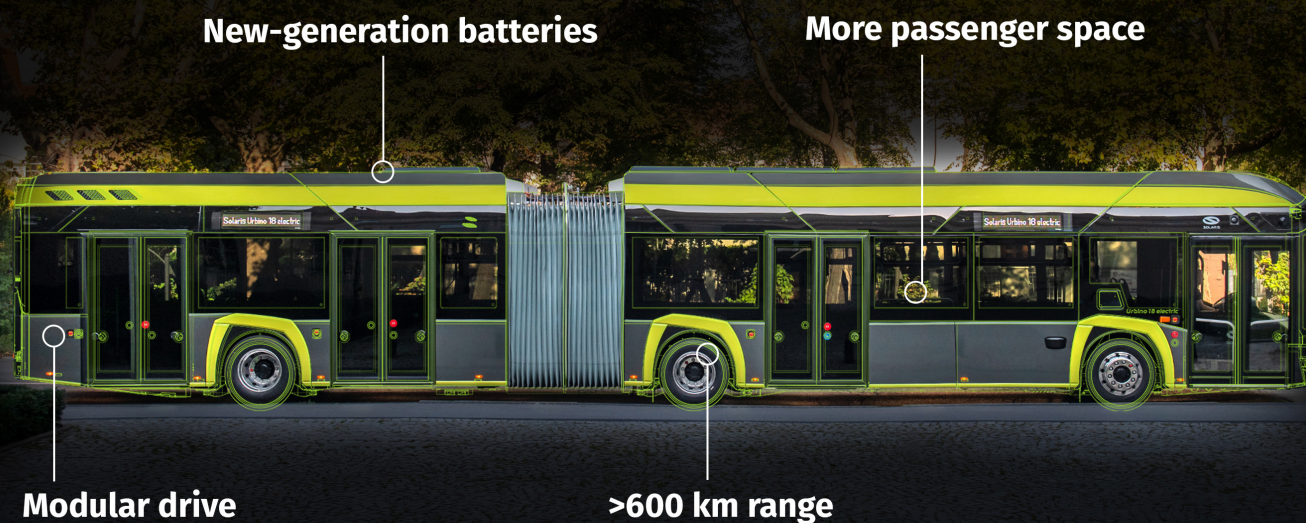
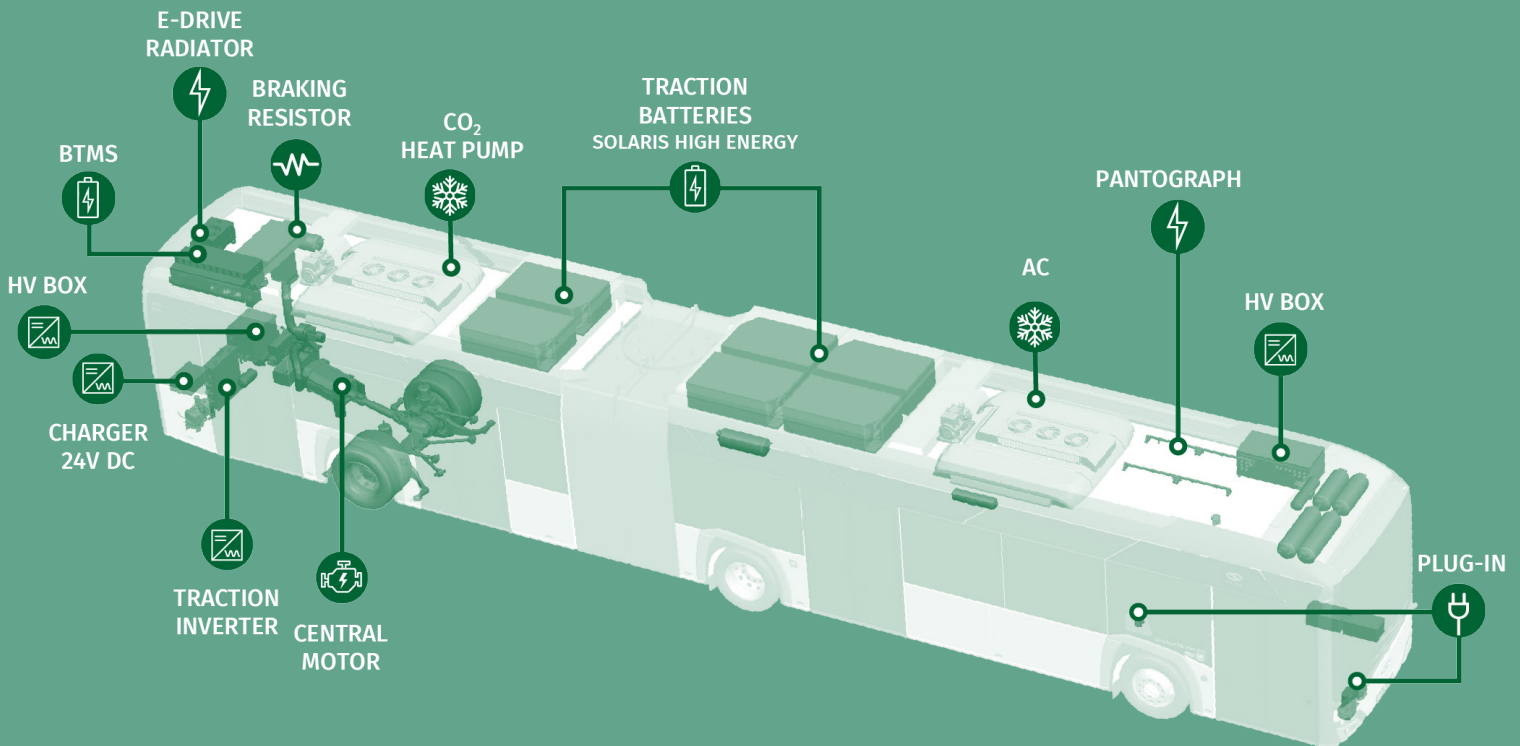
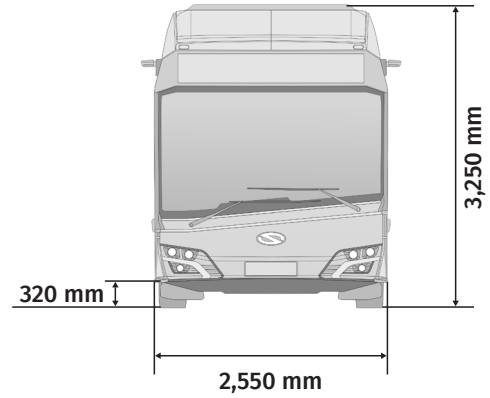
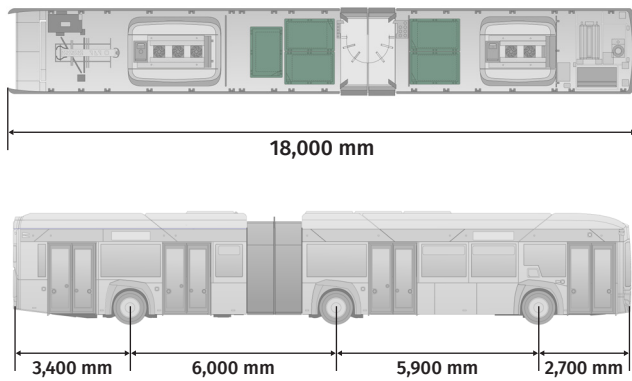


Solaris Urbino 18 electric



The Solaris Urbino 18 electric bus featuring a **new driveline** architecture and the latest **battery technologies**, the Urbino 18 electric bus guarantees **all-day operability**, impressive **600 km range** and amazing **efficiency**.

Overview



Solaris Urbino 18 electric – sample components layout

DIMENSIONS AND WEIGHT

Turning radius	Min. 11,475 mm
Interior headroom	Max 2,280 mm
Number of seats	Up to 52
Standing places	Up to 93
Passenger seating	STER 8MU
Driver's seat	ISRI 6860 / 875 NTS 2.0 seat with integrated headrest and seatbelt
Total capacity	Up to 145
Gross vehicle weight	30,000 kg

ENTRANCES

Entrance height	320 mm
Door width	Min 1,200 mm
Door type	1st – IG (Inward Gliding) / 2nd – 4th PS (Plug Sliding)
Door drive	Electric

HVAC

Air-conditioning	Passenger space & Driver's cabin: KONVEKTA UL 700 EM G3 + UL 500 EM G3
Heat pump	As an option
Refrigerant	R134a / CO2 as an option
Cooling / heating capacity	Cooling: 33 kW (V) + 24 kW (H) / Heating: 37 kW
Type of auxiliary heating	Electric heater (boiler)
Type, Fuel	Electric

DRIVE

Motor	TSA TMF 35-44-4, 240 kW
Arrangement to front axle	Rear mounted motor, left side
Continuous power	240 kW
Peak power	240 kW (because of drive axle limits)
Continuous torque	1,470 Nm
Peak torque	2,222 Nm

ENERGY STORAGE

Batteries	Solaris High Energy
Cell chemistry	NMC
Placement	Roof
Total capacity	800 kWh (640 kWh usable)
Plug charging power	250 kW

CHASSIS

Front axle	Independent axle, ZF RL 82 EC
Tires	MICHELIN X® INCITY™ EV Z (152/149)
Max. Internal steering angle	55 degrees
Rear axle	Drive axle, ZF AV133 80/7
Suspension front / rear axle	Pneumatic
Stabilizer front / rear axle	Front axle, second axle



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