



🔘 Ultra-lightweight

- Full composite, self-supporting body.
- Structural composite material.
- No chassis. No steel frame.

Ultra-low Consumption

Lightweight composite body requires smaller main units. Combined with a state-of-the art synchronous electrical driveline, average consumption is between 0.55-0.65 kwh/km (SORT2), providing and average autonomy between 200-240 km.





- Lifetime corrosion resistance.
- Structural properties equal or better compared to traditional concepts.
- Very low body maintenance costs.
- Reduced lifetime costs compared to buses with metal body.
- Environmentally friendly construction: high ratio of recycled materials.
- Reduced axle load on road.



进 Modular Platform System

Variation of 4 types of modules offering various bus categories.

- 1. REAR MODULE
 - 9 seats Powertrain Rear axle

Battery pack

2. WINDOW MODULE

6/8 passenger seats(perpendicular/parallel to driving direction)Full low floorFurther battery pack as an option



3. DOOR MODULES

1200 mm double door

Options: 4 seats/wheelchair/baby carriage position

Options: folded ramps installation for wheelchair access

Full low floor

4. FRONT MODULE

Driver seat Front axle Customer specific area/wheelchair position Full low floor

Flexible type series based on the Modular Platform System.

() Innovative Interior Design & Ergonomic Passenger Area

- Low passenger floor construction rate minimum 70%.
- Wide aisles and doors allow rapid passenger flow.
- Spacious interior results high comfort for passengers.
- Kneeling function.
- Handicapped areas with semiautomatic door ramp.
- Saving space: front door behind the front axle, wheel arches outside the passenger area.
- Easy cleanable and maintainable passenger area.



🔁 Battery Pack

CHARGE TIMES

5 Battery packs	4 hours
(144 kWh)	(3h charge + 1h battery equalizing)
3 Battery packs	3 hours
(86 kWh)	(2h charge + 1h battery equalizing)

Overnight Charging*

CHARGER SPECIFICATIONS

Input voltage	3x400V (-15%+10%) 50 Hz
Output power	60kW
Output current	Max. 90A

* Optional opportunity charging









MODULO	C48 E	C68 E	C88 E			
Seated passenger	19-22	21-26	27-35			
Total passenger capability	max 48	max 68	max 88			
Vehicle dimensions						
Length (mm)	6507	7982	9457			
Width (mm)	2550					
Height (with AC) (mm)	2940					
Wheel base (mm)	4026	5501	6976			
Vehicle maneuverability						
Turning radius (mm)	7100	8834	10585			
Rear sweep (mm)	174	132	111			
Approach angle (degrees)	10					
Departure angle (degrees)	15					
Covered floor height	Covered floor height					
In drive postition (mm)	340					
In station kneel position (mm)	250					
Curb weight CW (kg)	4750	6700	7550			
Door arrangements	0-2-0 with 1200mm wide entrance	0-2x2-0 with 1200mm wide entrance	0-2x2-0 with 1200mm wide entrance			
Electric motor	Siemens 1DB2016 (Water cooled system)					
Max power (kW)	125/160					
Max torque (Nm)	1019/2500					
Brake system	Dual circuit, pressurized air brake with safety brake					
Wheel brake	Wabco PAN17 or Knorr-Bremse SN5600					
Cooling and heating system	Eberspeacher M12					
AC systems cooling / heating capacity (kW)	Sütrak-Carrier AC520-I 15/30	Sütrak-Carrier AC520-II 20/30	Sütrak-Carrier AC520-III 24/30			



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