





## Technical features

### Technology

- Automatic central buffer couplings
- Lightweight aluminium construction
- Meets the requirements of DIN EN 15227 (Crash Norm)
- Air-sprung bogies ensure smooth running
- Catenary operation with 15 kV and catenary-free operation with lithium-ion traction battery

### Comfort

- Bright and friendly passenger compartment
- Passenger compartment fully steplessly walk-through
- Air-conditioned passenger compartment and driver's cab
- Generously designed multi-functional compartments at all entrance-areas
- 3 doors per side
- Sliding steps and gap-bridging at all doors
- Cycle racks / wheelchair
- Modern passenger information system
- Service area
- Universal WC and standard WC acc. to TSI PRM

### Personal

- Ergonomically designed driver's cab
- Service area

### Reliability / Availability / Maintainability / Safety

- Fulfilment of the Crash Norm EN 15227
- Fulfilment of the TSI PRM and the TSI Noise

## Vehicle data

<b>Gauge</b>	1,435 mm
<b>Supply voltage</b>	15 kV AC
<b>Axle arrangement</b>	B <sub>0</sub> '2'2'2
<b>Seats</b>	154
<b>Standing capacity (4 pers./m<sup>2</sup>)</b>	156
<b>Floor height</b>	
Low floor	780 mm
High floor	1,200 mm
<b>Door width</b>	1,300 mm
<b>Door height</b>	780 mm
<b>Longitudinal strength</b>	1,500 kN
<b>Length overall</b>	58,600 mm
<b>Vehicle width</b>	2,880 mm
<b>Vehicle height</b>	4,120 mm
<b>Bogie wheelbase</b>	2,500 mm
<b>Running bogie</b>	2,700 mm
<b>Drive wheel diameter</b>	
new	920 mm
worn	850 mm
<b>Trailer wheel diameter</b>	
new	760 mm
worn	690 mm
<b>Maximum speed</b>	140 km/h
<b>Drive</b>	2 × 500 kW