

The Siemens logo is displayed in a bold, teal, sans-serif font. It is positioned in the upper right corner of the page, within a white rectangular box. The background of the entire page is a photograph of an ÖBB Cityjet eco train at a station platform. The train is white with a red stripe and features green leaf graphics. In the background, a modern glass skyscraper with the ÖBB logo is visible under a cloudy sky.

SIEMENS

Ingenuity for life

Desiro ML ÖBB Cityjet eco

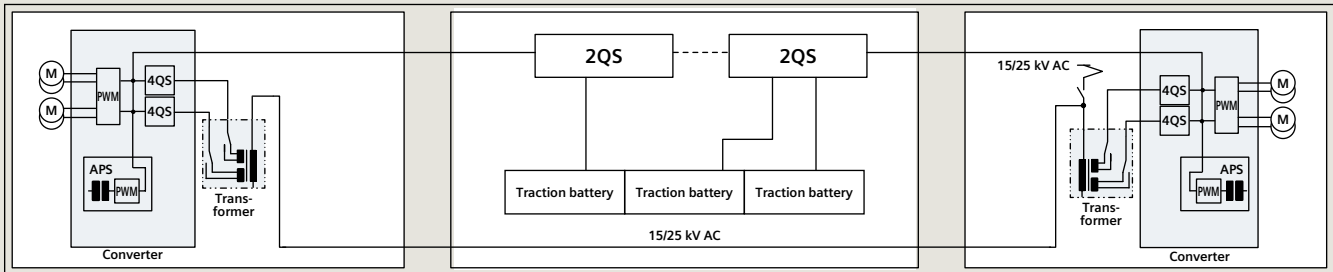
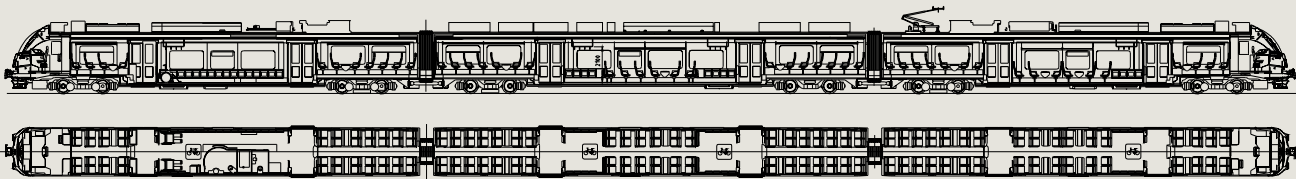
for ÖBB Personenverkehr AG

As part of the “Update Fleet Strategy 2035” program initiated by ÖBB Holding AG, the battery-powered Cityjet subproject will be implemented in Subpackage 2, “Alternative Drive Systems.” With this project, ÖBB Personenverkehr AG and Siemens Mobility GmbH Austria intend to design, build, and experimentally operate a battery-powered train as part of an innovative partnership. The goal of this prototype project is to gain experience in operating alternative drive types under all operating conditions (summer/winter operation).

For this purpose, a series-production trainset will be provided from current production that will be converted and subsequently tested in regular operation as a battery-powered vehicle.

Ongoing serial production of the ÖBB Cityjet provides an opportunity to take a vehicle, convert it to a battery-powered multiple unit, and use it as a prototype train during a trial period, all in a short period of time. This makes it possible to reduce the usual delivery/production times for a new vehicle by more than half.

Furthermore, the ÖBB Cityjet’s existing vehicle concept is ideal for the upgrade to a battery-powered multiple unit because it has sufficient space and weight reserves.



Technical Data	AC mode	Battery mode
Wheel arrangement	Bo'Bo'+2'2'+Bo'Bo'	
Track gauge	1,435 mm	
Maximum speed	140 km/h	120 km/h
Traction power	up to 2,600 kW	
Installed battery capacity		528 kWh
Starting acceleration	1.0 m/s ²	0.77 m/s ²
Power supply	15 kV AC / 25 kV AC	
Length (over coupling)	75,152 mm	
Floor height	600 mm	
Entrance areas	6 on each urban train	
Capacity	244 seats on urban train	
Maximum axle load	< 17 t including traction battery pack	
Crashworthiness	TSI and EN 15227 conform	
Fire protection	CEN / TS 45545 and DIN 5510 Fire protection level 2	

Interior design

Combined with the attractive design, the construction of the train's interior creates a spacious ambience, coupled with comfort and safety, timeless color schemes and folding tables.

Project details – series-production vehicle:

- Passenger compartment with a modern and future-oriented design
- Daylight-dependent LED lighting
- Generous seat spacing
- Passenger seats tailored to passenger requirements were developed in cooperation with ÖBB
- All passenger seats are adjustable
- Separate multipurpose areas for bicycle transport
- CO₂-controlled air conditioning
- Multifunctional multipurpose areas with sufficient space
- Large displays for passenger information
- Bogies from the SF6000 family
- Ramp-free access to universal WC
- All entrances have a low sliding step and the last entrance has an extendable step designed to bridge the gap

Published by
Siemens Mobility GmbH

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Germany

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Article No. MOML-T10056-00-7600
Printed in Germany
TH 166-180786 DA 08181.0

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