

Battery Multiple Units & Battery Electric Multiple Units (BMUs & BEMUs)



KONČAR
ELECTRIC VEHICLES

Battery Multiple Units (BMUs)

Battery Multiple Units (BMUs) are designed for passenger transport on non-electrified railway lines, using onboard propulsion batteries charged exclusively through stable energy connections.

**They accommodate
up to 200 passengers.**





Battery Electric Multiple Units (BEMUs)

Battery Electric Multiple Units (BEMUs) leverage a 25 kV, 50 Hz AC traction system for propulsion and battery charging, reaching speeds of 120 km/h in battery mode and 160 km/h when connected to the overhead line.

**They accommodate
up to 300 passengers.**



Key features

These environmentally friendly trains are quieter and more efficient, suitable for diverse routes, with autonomy based on battery capacity and speed.

Alongside their environmental benefits, our battery trains can lower maintenance and operational costs. With cutting-edge technology and efficiency, these trains embody the future of sustainable rail transport.





Technical specifications

	BMU	BEMU
Track gauge	1435 mm	1435 mm
Axle arrangement	Bo'2'2'	Bo'2'2'Bo
Axle load	18t	18t
Carbody width	2885 mm	2885 mm
Maximum speed	120 km/h	160 km/h 120 km/h
Overall length	41900 mm	56190 mm
Number of entrance doors (each side)	2 (4 total)	3 (6 total)
Number of seats	113	157
Total passengers (4 passengers/m²)	216	304
Spaces for bicycles and wheelchairs	2+2	2+2
Floor height	600 mm	600 mm
Maximum acceleration (at full load)	>1.0 m/s ²	>1.0 m/s ²
Mains voltage and frequency		25kV/50 Hz
Nominal battery energy	736 kWh	631 kWh



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