

10.5M ELECTRIC TRANSIT BUS



*Large Size Low Entry Bus
Wheelchair Access Enabled*



K8

THE WORLD'S FIRST BATTERY ELECTRIC TRANSIT BUS SERIES

The BYD Electric Transit Bus is the first of its kind to be put in service worldwide. Powered by BYD's proprietary Iron-Phosphate battery, this silent-running 10.5m transit bus produces zero emissions and features a 250-kilometer driving range on a single charge that meets most of urban transit system needs, integrating easily with existing fleets. BYD electric buses have been running in over 50 countries worldwide and have been granted all major public transport certifications, including WVTA (EU), FMVSS (U.S.A), CAT (Brazil), ADR (Australia), and JPJ (Malaysia).

- ✓ Powered by the environmentally friendly, non-toxic, long-life BYD Iron-Phosphate Battery.
- ✓ Energy recovery and battery recharging through optimal regenerative braking which reduces brake component wear.
- ✓ Potent and highly efficient in-wheel hub motors provide instant torque to perform in all driving conditions.
- ✓ Bi-directional AC charging allows charging from 0-100% SOC within 5 hours. Bus can be used as a mobile power source. (optional)

WHAT SETS BYD APART



HIGH PERFORMANCE
BYD's breakthrough battery technology boasts the industry's longest driving range.



AFFORDABLE
Energy consumption amounts to 1.3 kWh/km; fewer components require replacement as compared to diesel buses; lower maintenance costs.



LONG-LASTING
Battery life is over 4,000 cycles or over 10 years if cycled once a day.



ECO-FRIENDLY
Produces zero emissions, eliminates the need for particulate traps, and makes oil changes and other polluting consumables a thing of the past. Our batteries are fully recyclable.

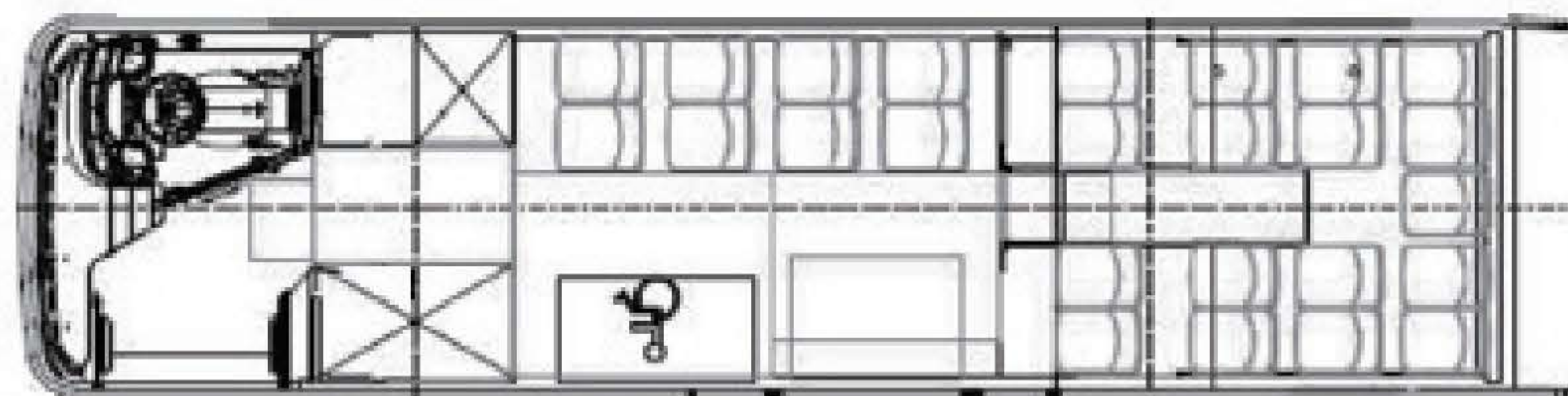


SAFE
No risk of combustion, no release of oxygen and no swelling of the cells.

SPECIFICATIONS

Dimensions	Length	10,500 mm
	Width	2,500 mm
	Height	3,500 mm
	Wheelbase	4,900 mm
	Curb Weight	12,000 kg
	Gross Weight	18,000 kg (Max)
	Seats	25+36 (standees)
Performance	Top Speed	70 km/h
	Max Gradeability	25%
	Minimum Ground Clearance	140 mm
	Range ^①	≥250 km
	Turning Radius	≤10.5 m
	Approach / Departure Angle	7.5° / 7.5°
Chassis	Front Axle	ZF low floor axle
	Rear Axle	BYD in-wheel drive rear axle
	Suspension	Air suspension
	Brakes	Front & rear disc-brakes, EBS
	Tires	275/70R22.5
Motor	Type	In-wheel AC synchronous motor
	Max. Power	300 kW (150 kW×2)
	Max. Torque	1,100 Nm (550 Nm×2)
Battery	Type	BYD Iron-Phosphate Battery (water-cooling)
	Capacity ^②	324 kWh
Charging	AC Charging Power	80 kW (40 kW×2)
	Charging Time ^③	4-5 h

Seat Layout



Note: The above specifications are for the standard vehicle. It is subject to regional needs and regulations.

Specs updated: Oct. 2018.

① Range test standard GB/T 19754: Actual range will vary depending upon driving/charging habits, speed, conditions, weather, temperature, and battery age.

② The battery capacity is initial capacity. It will decrease with time and use.

③ The battery age and outside ambient temperature both play a role in charging times.



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