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Build Your Dreams



THE WORLD'S FIRST AMERICAN-MADE, LONG-RANGE BATTERY-ELECTRIC BUS



The 40-ft Electric Transit Bus – affordable, dependable and ready to roll

BYD's 40-ft Electric Transit Bus is the first of its kind in service worldwide. Utilizing our proprietary Iron-Phosphate battery, this quiet-running vehicle produces zero emissions, integrates easily with any existing fleet, and meets roughly 80% of urban transit system needs with a range of 155+ miles on a single charge.

The 40-ft Electric Transit Bus is manufactured at the BYD Lancaster Factory, and is compliant with FMVSS, CMVSS, ADA regulations and "Buy American" provisions.



Environmentally friendly, non-toxic, BYD Iron-Phosphate ("Fe") Battery powered



High-efficiency, in-wheel traction motors allow for low floor loading options and simplified maintenance



Energy recovery and battery recharging through optimal regenerative braking reduces brake component wear



Bi-directional AC charging allows full charging from 0-100% SOC within 4 hours, plus the bus can be used as a mobile generator

2014 BYD 40-ft Electric Transit Bus Specs

Length	40.19 ft (12,267 mm)
Width	100.39 in (2,550 mm)
Height	135.51 in (3,442 mm)
Wheelbase	246.06 in (6,250 mm)
Curb Weight	31,967 lbs (14,500 kg)
Gross Weight	40,786 lbs (18,500 kg)
Seats	up to 40
Wheelchair Area	up to 2
Top Speed	Option 1: 55 mph (88 km/h) with BYDTC90A motor Option 2: 60 mph (101 km/h) with BYDTC150A motor
Max Gradeability	Option 1: 11% Option 2: 19%
Min Ground Clearance	10.43 in (265 mm)
Range	≥155 miles(≥250km)
Turning Radius	41.93 ft (12.781 m)
Approach / Departure Angle	9° / 8.7°
Front Axle	ZF low floor beam axle
Rear Axle	BYD in-wheel traction motor axle
Suspension	Air suspension (ECAS system)
Brakes	Front & rear disc, ABS, Regenerative braking
Tires	305 / 70R 22.5
Motor Type	AC Synchronous Motor (Brushless) BYDTC90A / BYDTC150A
Max Power	Option 1: 180 kW (90 kWx2) Option 2: 300 kW (150 kWx2)
Rated Power	Option 1: 150 kW (75 kWx2) Option 2: 220 kW (110 kWx2)
Max Torque	Option 1: 700 Nm (350 Nm x2) Option 2: 1100 Nm (550 Nm x2)
Battery Type	Lithium Iron Phosphate battery
Battery Capacity	324 kWh / 600 Ah (200 Ahx3)
Charging Power & Time	80 kW (40 kWx2, 480 V, 3φ, AC) 4 h 200 kW (100 kWx2, 480 V, 3φ, AC) 1.6 h

All information based on the latest data available at the time of printing. Final specs subject to change at production.
Initial capacity shown. Numbers may decrease with time and use.

Battery age and outside ambient temperature affect charging times.

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Dual Mode
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