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# AMERICA'S FIRST 60-FT, ARTICULATED BATTERY-ELECTRIC BUS



## The 60-ft Battery-Electric Articulated Bus - flexible, powerful and ready to roll

BYD's 60-ft Battery-Electric Articulated Bus is the first of its kind available in the United States. Utilizing our proprietary Iron-Phosphate battery, this high-capacity, high-load vehicle produces zero emissions, runs 170+ miles on a single charge, delivers an impressive 3,000 Nm of torque, and integrates easily with any existing fleet.

The 60-ft Battery-Electric Articulated Bus is designed and built at the BYD Lancaster Factory, and is compliant with FMVSS, ADA and "Buy America" regulations.



Environmentally friendly, non-toxic, BYD Iron-Phosphate 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, high-power AC charging allows full charging from 0-100% SOC within 2 - 3 hours, plus the bus can be used as a mobile generator

## 2014 BYD 60-ft Electric Transit Bus Specs

|                            |  |
|----------------------------|--|
| Length                     | 60ft   |
| Width                      | 101.2 in .                                       |
| Height                     | 134.3 in .                                       |
| Wheelbase                  | Front to middle 20.0 ft./Middle to rear 22.5 ft. |
| Curb Weight                | 47,400 lbs                                       |
| Gross Weight               | 64,600 lbs                                       |
| Seats                      | up to 60   |
| Wheelchair Area            | up to 3  |
| Top Speed                  | 60 mph   |
| Max Gradeability           | 18.5%  |
| Min Ground Clearance       | 10.93 in .                                       |
| Range                      | 170 miles  |
| Turning Radius             | 38 ft.   |
| Approach / Departure Angle | 9° / 8.8°  |
| Front Axle                 | ZF low-floor front axle(A)                       |
| Center Axle                | ZF low-floor middle axle(B)                      |
| Rear Axle                  | BYD in-wheel traction motor axle(C)              |
| Suspension                 | Air suspension (with ECAS)                       |
| Brakes                     | Disc-brakes on (A,B &C),ABS,Regenerative braking |
| Tires                      | 305 / 70R 22.5                                   |
| Motor Type                 | AC Synchronous Motor (Brushless)                 |
| Max Power                  | 360 kW (180 kWx2)                                |
| Max Torque                 | 3,000 Nm(1,500 Nm x2)                            |
| Battery Type               | Iron-Phosphate battery                           |
| Battery Capacity           | 547.5 kWh / 750 Ah                               |
| Charging Power             | 200 kW (100 kWx2, 480 V, 3φ, AC)                 |
| Charging Time              | 2-3 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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