



# THE OFFICIAL SPONSOR OF MOTHER NATURE™



## THE WORLD'S FIRST LONG-RANGE 40-FT BATTERY-ELECTRIC OVER-THE-ROAD COACH

### The 40-ft Battery-Electric Over-the-Road Coach Affordable, Dependable and Ready to Roll

BYD's 40-ft Battery-Electric Coach is the first All-Electric Coach in the world. Utilizing BYD's proprietary Iron-Phosphate Battery technology, this quiet-running vehicle produces no emissions, integrates easily into any existing fleet, and meets most over-the-road and shuttle applications with a range of 155 miles on a single charge.

The 40-ft Battery-Electric Coach can be manufactured in qualified BYD factories worldwide and the design can be adjusted to be compliant with FMVSS, CMVSS, ADA and "Buy America" regulations.

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- ✓ Environmentally friendly, non-toxic, BYD Iron-Phosphate Battery powered
  - ✓ High-efficiency, in-wheel traction motors with below-deck luggage carrying capacity
  - ✓ Energy recovery and battery recharging through optimal Regenerative braking which reduces brake component wear
  - ✓ Bi-directional AC charging allows full charging from 0-100% SOC within 2 hours. The coach may also be used as a mobile power supply for other equipment.

# WHAT SETS BYD APART



Build Your Dreams™



## HIGH PERFORMANCE

BYD's breakthrough battery technology boasts the industry's longest driving range—over 155 miles per charge



## AFFORDABLE

Operational cost is only \$0.21/mi (assuming \$0.11/kWh and 1.22kWh/mi consumption) which is significantly lower than the costs associated with diesel, CNG and hybrid alternatives



## LONG-LASTING BATTERIES

After 12 years of use, battery capacity is projected to remain above 80%, so there is no need for battery replacement



## SAFE

Intelligent Battery Management System (iBMS) assists with balancing and charging safety, helping produce the safest battery on the road



## ECO-FRIENDLY

Zero emissions eliminates need for particulate traps, trap cleaning and toxic waste removal. Our battery-electric technology also eliminates the need to store and use toxic Diesel Emission Fluids (DEF) and makes oil changes and other polluting consumables obsolete and our batteries are 100% recyclable

VEHICLE	40-ft	
Dimensions	Length	39.4 ft
	Width	98.4 in
	Height	139.8 in
	Wheelbase	19.7 ft
	Curb Weight	30,836 lbs
	Gross Weight	39,683 lbs
	Seats	49
	Wheelchair Positions	Optional 2 ADA compliant
Performance	Top Speed	62.1 mph
	Max Gradeability	25%
	Range	155 miles
	Turning Radius	39.37 ft
	Approach/Departure Angle	9° / 9°
	Chassis	Front Axle
Rear Axle		BYD in-wheel drive axle
Suspension		Air suspension
Brakes		Knorr front/rear brakes, ABS, Regenerative braking
Tires		295/80 R 22.5
Powertrain	Motor Type	AC Synchronous
	Max Power	180 kW x 2
	Max Torque	1500 N•m x 2
	Battery Type	Iron-Phosphate
	Battery Capacity	365 kWh
	Charging Capacity	Up to 300 kW
Charging Time	1h–1.5h	

Note:

1. All information based on the latest data available at the time of printing. Final specs subject to change at production.
2. Initial capacity shown. Numbers may decrease with time and use.
3. Battery age and outside ambient temperature affect charging times.