



# THE OFFICIAL SPONSOR OF MOTHER NATURE™



## THE WORLD'S FIRST LONG-RANGE BATTERY-ELECTRIC BUS 40-FT, AMERICAN-MADE, LONG-RANGE

### The 40-ft Battery-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 BYD's 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 161 miles on a single charge.

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

- ✓ Environmentally friendly, non-toxic, BYD Iron-Phosphate Battery powered
- ✓ Energy recovery and battery recharging through optimal regenerative braking which reduces brake component wear
- ✓ Highly efficient and powerful AC in-wheel hub motors provide instant torque to perform in all driving conditions
- ✓ Bi-directional AC charging allows full charging from 0-100% SOC within 4 hours. Bus can be used as a mobile generator

# WHAT SETS BYD APART



## HIGH PERFORMANCE

BYD's breakthrough battery technology boasts the industry's longest driving range—over 161 miles per charge



## AFFORDABLE

Costs just \$0.21/mi (assuming \$0.11/kWh and 1.87kWh/mi consumption), while eliminating usual service costs associated with diesel, CNG and hybrid alternatives



## LONG-LASTING

After 12 years of use, battery capacity is projected to remain above 80%, so there's 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

Produces zero emissions, eliminates the need for particulate traps, and makes oil changes and other polluting consumables a thing of the past and our batteries are 100% recyclable

VEHICLE	40-ft	
Dimensions	Length	40.9 ft
	Width	101.2 in
	Height	130.4 in
	Wheelbase	284 in
	Curb Weight	30,865 lbs
	Gross Weight	42,659 lbs
	Seats	41+1
	Wheelchair Positions	2 ADA compliant
Performance	Top Speed	62.1 mph
	Max Gradeability	18%
	Range	161 miles
	Turning Radius	42.7 ft
	Approach/Departure Angle	9° / 9°
Chassis	Front Axle	ZF low floor beam axle RL75A
	Rear Axle	BYD in-wheel drive axle
	Suspension	Air suspension (with ECAS)
	Brakes	Front & rear brakes, ABS, Regenerative braking
	Tires	305/70 R 22.5
Powertrain	Motor Type	AC Synchronous
	Continuous Power	100 kW x 2
	Max Torque	550 N•m x 2
	Battery Type	Iron-Phosphate
	Battery Capacity	324 kWh
	Charging Capacity	80 kW
Charging Time	3h–4h	

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.