



# ZX5

## 40 FOOT BATTERY ELECTRIC BUS SPECIFICATIONS

	DESCRIPTION	ZX5+	ZX5 MAX
Total Energy	kWh	492	738
Operating Efficiency*	kWh/mile	1.8-2.5	1.9-2.8
	MPGe	15-21	14-20
Operating Range*	Miles	160-240	220-340
Top Speed (Protterra-governed)	mph (per tire rating)	65	65
Acceleration (at SLW, seconds)	0 to 20 mph	6.2	6.5
	20 to 50 mph	22.8	24.8
Gradability (top speed at % grade, at SLW, mph)	5%	46	43
	10%	28	25
	15%	19	18
Max Grade (at SLW)		28%	25%
Horsepower	Peak	322	322
	Continuous	275	275
Motor	Single 240kW Permanent Magnet Drive Motor	•	•
Gearbox	4-speed EV transmission	•	•
Curb Weight	lbs	30,900	35,300
Max Gross Vehicle Weight Rating	lbs	43,650	43,650

### CHARGING

Max Plug-in Charge Rate at 200A	kW	147	147
Max Plug-in Charge Rate at 300A	kW	221	221
Max Plug-in Charge Rate at 500A	kW	370	370
Overhead Charging***	Miles replenished per 10 min**	24	21
	Est. time 0-80% at 450 kW	1.3 hrs	1.9 hrs
Plug-in Charging***	Est. time 0-80% at 150 kW	2.6 hrs	3.9 hrs
	Est. time 0-80% at 180 kW	1.9 hrs	2.9 hrs

### VEHICLE DIMENSIONS

Length (over bumpers)	510"
Roof Height	129.5"
Width (without mirrors)	102"
Width (with mirrors)	116"
Wheelbase	296"
Approach Angle	9.3°
Breakover Angle	7.8°
Departure Angle	9.3°
Turning Radius	516"

\*Operating range and efficiencies approximated from simulations based on Altoona testing results at SLW, and will vary with route conditions, weather, vehicle configuration and driver behavior. \*\* ProDrive powertrain efficiencies | \*\*\* Charge time will vary depending on charger type. Estimated charge time 0-80% as displayed on driver dashboard.



# ZX5 40 FOOT BATTERY ELECTRIC BUS SPECIFICATIONS

## DESCRIPTION

INTERIOR	
Seating Capacity	40
Clear Door Width	Front 33.75", Rear 43.5"
Lighting	LED Interior Lighting System
Handles	Stainless-Steel Stanchion System
Stop Request	ADA Pull Cord Or Touch Tape Stop Request
Doors	Sensitive Edges On Both Front & Rear Door
Wipers	Electric Wipers & Washers
HVAC	Overhead Integrated System
EXTERIOR	
Bus Body	Carbon-Fiber-Reinforced Composite Material
Tire Size	315/80R22.5
Exterior Lights	LED
BRAKES & SUSPENSION	
Braking System	Front & Rear Air Disk Brakes
Regenerative Braking	Standard
Traction	4-Wheel ABS With Traction Control
Suspension	Multi-Link Air Ride Rear Suspension
ELECTRICAL SYSTEM	
Battery System	Integrated Battery Management sSystem
Low Voltage	Two, Group 31 700 CCA 12v Batteries
Charge Ports	J1772 CCS: One Port Standard At Curb-Side Rear 2nd Port Optional At Street-Side Rear Or Curb-Side Front
Plug-in Charging	Universal Standard J1772-CCS
Overhead Charging	Optional; Universal Standard J3105
ADA	
	Two ADA Locations: One On Each Side Of The Aisle Directly Behind The Front Wheels
	ADA Securement System
	Front Electrically Operated Wheelchair Ramp (4:1, 6:1 Slope)
	Rear Door Modesty Panels
	Aisle Width Between Front Wheel Wells: 35.7"
WARRANTY	
Vehicle	Complete Bus - 1 Year Or 50,000 Miles Extended Warranties & Service Contracts Available Upon Request
Batteries	Standard: 6 Years   Extended: 12 Years



# ZX5

## 35 FOOT BATTERY ELECTRIC BUS SPECIFICATIONS

	DESCRIPTION	ZX5+
Total Energy	kWh	492
Operating Efficiency*	kWh/mile	1.7-2.5
	MPGe	15-21
Operating Range*	Miles	160-240
Top Speed (Proterra-governed)	mph (per tire rating)	65
Acceleration (at SLW, seconds)	0 to 20 mph	6.2
	20 to 50 mph	21.6
Gradability (top speed at % grade, at SLW, mph)	5%	48
	10%	29
	15%	19
Max Grade (at SLW)		29.5%
Horsepower	Peak	322
	Continuous	275
Motor	Single 240kW Permanent Magnet Drive Motor	•
Gearbox	4-speed EV transmission	•
Curb Weight	lbs	30,050
Max Gross Vehicle Weight Rating	lbs	43,650

### CHARGING

Max Plug-in Charge Rate at 200A	kW	147
Max Plug-in Charge Rate at 300A	kW	221
Max Plug-in Charge Rate at 500A	kW	370
Overhead Charging***	Miles replenished per 10 min**	24
	Est. time 0-80% at 450 kW	1.3 hrs
Plug-in Charging***	Est. time 0-80% at 150 kW	2.6 hrs
	Est. time 0-80% at 180 kW	1.9 hrs

### VEHICLE DIMENSIONS

Length (over bumpers)	443"
Roof Height	129.5"
Width (without mirrors)	102"
Width (with mirrors)	116"
Wheelbase	243"
Approach Angle	9.3°
Breakover Angle	9.4°
Departure Angle	9.3°
Turning Radius	420"

\*Operating range and efficiencies approximated from simulations based on Altoona testing results at SLW, and will vary with route conditions, weather, vehicle configuration and driver behavior. \*\* ProDrive powertrain efficiencies | \*\*\* Charge time will vary depending on charger type. Estimated charge time 0-80% as displayed on driver dashboard.



# ZX5 35 FOOT BATTERY ELECTRIC BUS SPECIFICATIONS

## DESCRIPTION

INTERIOR	
Seating Capacity	29
Clear Door Width	Front 33.75", Rear 43.4"
Lighting	LED Interior Lighting System
Handles	Stainless-Steel Stanchion System
Stop Request	ADA Pull Cord Or Touch Tape Stop Request
Doors	Sensitive Edges On Both Front & Rear Door
Wipers	Electric Wipers & Washers
HVAC	Overhead Integrated System
EXTERIOR	
Bus Body	Carbon-Fiber-Reinforced Composite Material
Tire Size	315/80R22.5
Exterior Lights	LED
BRAKES & SUSPENSION	
Braking System	Front & Rear Air Disk Brakes
Regenerative Braking	Standard
Traction	4-Wheel ABS With Traction Control
Suspension	Multi-Link Air Ride Rear Suspension
ELECTRICAL SYSTEM	
Battery System	Integrated Battery Management sSystem
Low Voltage	Two, Group 31 700 CCA 12v Batteries
Charge Ports	J1772 CCS: One Port Standard At Curb-Side Rear 2nd Port Optional At Street-Side Rear Or Curb-Side Front
Plug-in Charging	Universal Standard J1772-CCS
Overhead Charging	Optional; Universal Standard J3105
ADA	
	Two ADA Locations: One On Each Side Of The Aisle Directly Behind The Front Wheels
	ADA Securement System
	Front Electrically Operated Wheelchair Ramp (4:1, 6:1 Slope)
	Rear Door Modesty Panels
	Aisle Width Between Front Wheel Wells: 35.7"
WARRANTY	
Vehicle	Complete Bus - 1 Year Or 50,000 Miles Extended Warranties & Service Contracts Available Upon Request
Batteries	Standard: 6 Years   Extended: 12 Years