

PROTERRA[®] ZX5

35 FOOT BUS PLATFORM SPECIFICATIONS



PROTERRA

	Description	ZX5	ZX5+
ZX5 VEHICLE WITH DUOPOWER™ DRIVETRAIN			
Total Energy	kWh	220	440
Operating Efficiency*	kWh/mile	1.5-2.0	1.6-2.3
	MPGe	18.8-25.1	16.4-23.5
Operating Range*	Miles; Usable energy/Operating efficiency	95-125	172-240
Top Speed (Proterra-governed)	mph (per tire rating)	65	65
Acceleration (at SLW, seconds)	0 to 20 mph	5.6	5.7
	20 to 50 mph	14.7	12.3
Gradability (top speed at % grade, at SLW, mph)	5%	56	65
	10%	38	50
	15%	27	32
Max Grade (at SLW)		33%	29.5%
Horsepower	Peak	338	550
	Continuous	170	338
Motor	Dual independent 205 kW motors	•	•
Gearbox	Proterra 2-speed auto-shift EV gearbox	•	•
Curb Weight	lbs	26,358	29,658
Max Gross Vehicle Weight Rating	lbs	42,000	42,000
ZX5 VEHICLE WITH PRODRIVE DRIVETRAIN			
Total Energy	kWh	220	440
Operating Efficiency*	kWh/mile	1.6-2.0	1.7-2.4
	MPGe	18.8-23.5	15.7-22.2
Operating Range*	Miles; Usable energy/Operating efficiency	94-124	164-227
Top Speed (Proterra-governed)	mph (per tire rating)	65	65
Acceleration (at SLW, seconds)	0 to 20 mph	5.9	6.1
	20 to 50 mph	20.9	23.1
Gradability (top speed at % grade, at SLW, mph)	5%	48	44
	10%	29	28.5
	15%	24	21.5
Max Grade (at SLW)		26%	23.5%
Horsepower	Peak	335	335
	Continuous	170	240
Motor	Single 250kW permanent magnet drive motor	•	•
Gearbox	Proterra 2-speed auto-shift EV gearbox	•	•
Curb Weight	lbs	26,558	29,858
Max Gross Vehicle Weight Rating	lbs	42,000	42,000
CHARGING			
Max Plug-in Charge Rate at 200A	kW	73	132
Max Overhead Charge Rate	kW	165	330
Overhead Charging	Miles replenished per 10 minutes **	17	32
	Est. time Empty to Full***	2.8 hrs.	2.8 hrs.
Plug-in Charging	Est. time Empty to Full***	2.9 hrs.	3.4 hrs.
<small>*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 empty to full based on 0-97%</small>			

	Description
VEHICLE DIMENSIONS	
Length	443"
Height	128"
Width (without mirrors)	102"
Width (with mirrors)	118.8"
Wheelbase	243"
Approach Angle	9.3°
Breakover Angle	7.8°
Departure Angle	9.3°
Turning Radius	432"
INTERIOR	
Seating Capacity	29
Door Width	Front 43.2", Rear 49.1"
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 and rear door
Wipers	Electric wipers and washers
HVAC	Overhead integrated system
EXTERIOR	
Bus Body	Carbon-fiber-reinforced composite material
Tires	Standard: Michelin 315/80R22.5
Exterior Lights	LED
BRAKES & SUSPENSION	
Braking System	Regenerative braking; front & rear air disk brakes
Traction	4-wheel ABS with optional traction control
Suspension	Multi-Link Air Ride rear suspension
ELECTRICAL SYSTEM	
Battery System	Integrated battery management system
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
Overhead Charging	Optional
Plug-in Charging	Universal standard J1772-CCS
Overhead Charging	Universal standard J3105
ADA	
	Two ADA locations, one on each side of the aisle directly behind the front wheel
	ADA securement system
	Front ADA power 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 and service contracts available upon request
Batteries	12 years / unlimited miles, materials and workmanship