

# CATALYST® : 35 FOOT BUS

PERFORMANCE SPECIFICATIONS - CANADA



**PROTERRA**

	Description	XR	E2
<b>CATALYST VEHICLE WITH DUOPOWER™ DRIVETRAIN</b>			
Total Energy	kWh	220	440
Operating Efficiency*	kWh/km	0.91-1.11	0.93-1.34
	Litres/100km equivalent	9.1-11.2	9.4-13.5
Operating Range*	Kilometers; Usable energy/Operating efficiency	158-195	262-377
Top Speed (Proterra-governed)	km/hr (per tire rating)	105	105
Acceleration (at SLW, seconds)	0-32 km/hr	5	5
	32-80 km/hr	16	12.3
Gradability (top speed at % grade, at SLW, km/hr)	5%	87	105
	10%	51	71
	15%	37	50
Max Grade (at SLW)		29%	27%
Power (kW)	Peak	252	380
	Continuous	127	252
Motor	Dual independent 190 kW motors	•	•
Gearbox	Proterra 2-speed auto-shift EV gearbox	•	•
Curb Weight	kg	11,956	13,453
Max Gross Vehicle Weight Rating	kg	19,051	19,051
<b>CATALYST VEHICLE WITH PRODRIVE DRIVETRAIN</b>			
Total Energy	kWh	220	440
Operating Efficiency*	kWh/km	0.96-1.17	1.03-1.44
	Litres/100km equivalent	9.7-11.8	10.4-14.4
Operating Range*	Kilometers; Usable energy/Operating efficiency	150-183	245-341
Top Speed (Proterra-governed)	km/hr (per tire rating)	105	105
Acceleration (at SLW, seconds)	0-32 km/hr	6.2	6.4
	32-80 km/hr	21.7	23.5
Gradability (top speed at % grade, at SLW, km/hr)	5%	77	69
	10%	47	47
	15%	35	34
Max Grade (at SLW)		24%	21%
Power (kW)	Peak	250	250
	Continuous	127	179
Motor	Single 250kW permanent magnet drive motor	•	•
Gearbox	Proterra 2-speed auto-shift EV gearbox	•	•
Curb Weight	kg	12,046	13,543
Max Gross Vehicle Weight Rating	kg	19,051	19,051
<b>CHARGING</b>			
Max Plug-in Charge Rate at 200A	kW	72	132
Max Overhead Charge Rate	kW	166	331
Overhead Charging	Kilometers replenished per 10 minutes **	26	45
	Est. time Empty to Full***	2.7 hrs.	2.7 hrs.
Plug-in Charging	Est. time Empty to Full***	2.8 hrs.	3.2 hrs.
*Operating range and efficiencies approximated from simulations based on UDDS cycle 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 0-99%			

# CATALYST® : 35 FOOT BUS

PLATFORM SPECIFICATIONS - CANADA



	Description
<b>VEHICLE DIMENSIONS</b>	
Length	11.25 m
Height	3.25 m
Width	2.59 m
Wheelbase	6.17 m
Approach Angle	8.6°
Breakover Angle	8.5°
Departure Angle	8.7°
Turning Radius	10.97 m
<b>INTERIOR</b>	
Seating Capacity	29
Door Width	Front 110 cm, Rear 125 cm
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
<b>EXTERIOR</b>	
Bus Body	Carbon-fiber-reinforced composite material
Tires	Standard: Michelin 315/80R22.5
Exterior Lights	LED
<b>BRAKES &amp; SUSPENSION</b>	
Braking System	Regenerative braking; front & rear air disk brakes
Traction	4-wheel ABS with optional traction control
Suspension	Multi-Link Air Ride rear suspension
<b>ELECTRICAL SYSTEM</b>	
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
<b>ADA</b>	
	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: 91 cm
<b>WARRANTY</b>	
Vehicle	Complete Bus - 1 year or 80,000 km Extended warranties and service contracts available upon request
Batteries	12 years / unlimited miles, materials and workmanship