



Estimated 40% to 50% reduction in fuel cost per mile



With no engine, transmission, or exhaust, **save up to 20%** in maintenance costs



70 to 80 fewer tons of greenhouse gases per bus per year



Electric motors are quiet, making for a **greater rider experience**



40' **xcel**sior *CHARGE*™ Electric Bus

Technical Summary

MEASUREMENTS		TURNING RADIUS	
Length	41' (12.5 m) including bumpers	Turning radius (body, with aluminum wheels)	44' (13.4 m)
Roof Height	11' 1" (3.3 m)	PASSENGER CAPACITY ²	
Step Height	14" (356 mm)	Seats	32
Front Step Height Kneeled	10" (254 mm)	WEIGHT	
Interior Height - Floor to Ceiling	79" (2 m) over front and rear axle; 95" (2.4 m) mid-coach	GVWR	44,533 lb
Tire Size	305/70R22.5	MAIN COMPONENTS	
Aisle Width	22" - 24"	Electrical System	Vansco Instrument Panel Cluster with LCD touch display screen
Wheelbase	283.75" (7.2 m)	Cooling System	EMP Radiator cooler
PROPULSION		Energy Storage System (ESS)	XALT Energy ESS Options Available: 150-545 kWh
Propulsion System	Siemens PEM 1DB2202 - Electric Drive	Charging System	SAE J-1772 Compliant, CCS Type 1 Connector
Transmission	None - Direct Drive	Battery Management System	Vanner equalizer w/Low Voltage Disconnect, temperature & current sensors to optimize battery life
Range	Up to 215 miles/charge (based on a 466 kWh battery) ¹	HVAC	Thermo King TE15 rear A/C unit
Converter	DC-DC	Diagnostic & Monitoring System	New Flyer Connect®
ACCESSIBILITY			
Passenger Doors	2 Vapor Ameriview Slide Glide		
Wheelchair Accessibility	660 lb (299 kg), 32" (813 mm) wide, 1:7 slope. Flip out NFIL ramp, front door		
Wheelchair Positions	1		
CLEARANCES			
Approach/Breakover Angles/Departure	9°/9°/9°		

¹Based on Xalt HE 70-75 Ah NMC battery technology.

²Actual passenger capacity depends on seating layout, number of doors and axle ratings.