



60' Electric Bus

Technical Summary

xcelsior CHARGE[™] 60ft

MEASUREMENTS

Length	60'10" (18.54m) including bumpers
Roof Height	11' 1" (3.3m) over charging rails
Step Height	14" (356mm)
Front Step Height Kneeled	10" (254mm)
Interior Height - Floor to Ceiling	79" (2m) over front and rear axle; 95" (2.4m) mid-coach
Tire Size	305/70R22.5
Aisle Width	22" - 24"
Wheel Base	229" (5.8m) front / 293" (7.4m) rear

PROPULSION

Transmission	None - Direct Drive
Propulsion System	Siemens PEM 1DB2016 - Electric Drive
Range	Up to 275 miles/charge (442 km) (Based on an 818 kWh battery) ¹
Alternator	Vanner EBA

ACCESSIBILITY

Passenger Doors	3 Vapor Slide Glide Exits - 1 each at front & rear units (curbside)
Wheelchair Accessibility	660lb (299kg), 32" (813mm) wide, 1:7 slope. Flip out NFIL ramp, front door
Wheelchair Positions	2

CLEARANCES

Approach/Breakover Angles/Departure	9°/9°/12° (front) & 9° (rear)
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TURNING RADIUS

Turning radius (body, with aluminum wheels)	44' (13.4m)
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¹Based on Xalt HE 70-75 Ah NMC battery technology.

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

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CAPACITY²

Seats	50
Standees	68

WEIGHT

Curb Weight	Approx. 53,112 lbs.
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MAIN COMPONENTS

Energy Storage System (ESS)	A123 600 kWh Li-ion Range capability: 100 kWh - 818 kWh
Electrical System	Vansco Instrument Panel Cluster with LCD touch display screen
Battery Management System	Vanner equalizer w/Low Voltage Disconnect, temperature & current sensors to optimize battery life
Infotainment System	3 Luminator Infotainment monitors
Cooling System	EMP Radiator cooler
HVAC	Thermo King RLFE rooftop A/C unit & TE15 rear A/C unit
Flooring	Lower deck - NT ACQ plywood, Upper deck - Composite step & floor Rear - NT DB ACQ plywood

FEATURES

Diagnostic & Monitoring System	New Flyer Connect [®]
Destination Sign	Rear route sign with backup camera
Additional Safety	Turn annunciator system
USB Chargers	Available at each seat location



This New Flyer Xcelsior[®] electric bus is manufactured to meet or exceed all US regulations including FMVSS, ADA and Buy America regulations and is supported by New Flyer's 2,800+ US-based employees.