



40' Electric Bus

Technical Summary

xcelstor CHARGE 40ft

MEASUREMENTS	
Length	41' (12.5m) including bumpers
Roof Height	10' 10" (3.3m)
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	283.75" (7.2m)
PROPULSION	
Transmission	None - Direct Drive
Propulsion System	Siemens PEM 1DB2022 - Electric Drive
Range	Up to 260 miles/charge (418 km) (based on a 545 kWh battery) ¹
Alternator	Vanner EBA
ACCESSIBILITY	
Passenger Doors	1 Vapor Slide Glide - Electric 1 medium Ameriview Vapor Slide Glide
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°/9°
TURNING RADIUS	
Turning radius (body, with aluminum wheels)	44' (13.4m)

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CAPACITY ²	
Seats	40
Standees	42
WEIGHT	
Curb Weight	Approx. 32,920 lbs
MAIN COMPONENTS	
Flooring	Lower deck - NT ACQ plywood, Upper deck - Composite step & floor Rear - NT DB ACQ plywood
Electrical System	Vansco Instrument Panel Cluster with LCD touch display screen
Cooling System	EMP Radiator cooler
Energy Storage System (ESS)	XALT
Battery Management System	Range capability: 100 kWh-545 kWh Vanner equalizer w/Low Voltage Disconnect, temperature & current sensors to optimize battery life
HVAC	Thermo King TE15 rear A/C unit
Infotainment System	2 Luminator Infotainment monitors
FEATURES	
Destination Sign	Rear route sign with backup camera
Additional Safety	Turn annunciator system
USB Chargers	Available at each seat location



New Flyer is North America's heavy-duty transit bus leader and offers the most advanced product line. Build your fleet with life-cycle savings, best-in-class features and a superior passenger and driver experience. The future is bright, choose Xcelstor®.

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

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