OPTIMAL·EV S1
Low Floor Electric Shuttle

101.6"
2.58m

Wide Body Enhances
Passenger Comfort

Available Front
Destination Sign

EV AVENUE

All-Electric
Propulsion

11" (280mm) Step-In
Height Low-Floor Design

OPTIMAL·EV **S1** *Low Floor Electric Shuttle*

Optimal EV is the market leader in the design, validation and manufacture of zero-emission electric low floor shuttle buses.

Optimal EV provides a suite of low-floor vehicle configurations and equipment options that are quiet, ecologically efficient, and allows for seamless migration to a fully battery-electric fleet.

Standard Chassis Equipment
E450 Ford Chassis Platform
GVWR of 14,500 lb (6577 kg)
LT225/75R16 Tires
Proterra Battery - 113 kWh
Traction Motor - 280 kW
Max. Speed 70mph (112 kph)
Operating Temp.: -27° to +133°F
(-33° to +56°C)
Charge Level 2 AC Standard
Level 2 AC Charge in < 8 Hours
DC Fast Charge (Optional)
DC Fast Charge in <2 Hours
Gradeability 30% @ GVWR

Standard Body Equipment
Back-Up Alarm
Heated Remote Mirrors
Front-Mounted Observation Window
Modesty Panel & Hand Rails
Standard Solid Windows
Black-Out Rear Cap
Electrically Actuated Door
Exterior Grade Undercoating
Lightweight Composite Floor
Lightweight Composite Body
Molded Fiberglass Exterior
Gerflor Flooring
Interior Stepwell Lighting
Door Opening - 42" × 79.6"
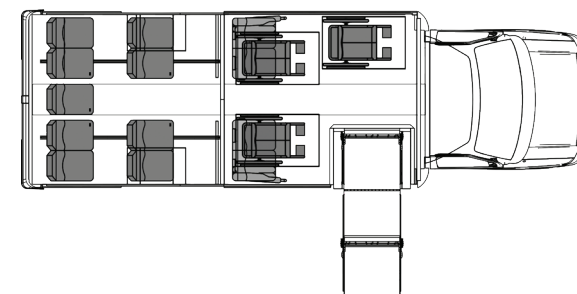(1067mm x 2022mm

Popular Optional Equipment
Back-Up Camera
Ceiling-Mounted Handrails
PA Systems
Interior/Exterior Camera Systems
Painted Skirts
Full Body Paint
Rear Exit Door
Roof Hatch
Keyless Entry- Key Fob
Bicycle Racks
Spare Tire
Stainless Wheel Covers
Overhead Luggage
Driver's Storage Compartment
Energy-Absorbing Bumpers
Blind Spot Detection

Specifications
Exterior Width	101.6" (2580mm)
Exterior Height	109.9" (2790mm)
Bumper to Bumper Length	26.6' (8124mm)
Wheelbase	212.0" (5385mm)
Ground to First Step	11.0" (280mm)
Interior Width	97.8" (2484mm)
Interior Height	78.6" (1996mm)

Popular Floorplan

Flexible Seating Arrangements

9 Seats + 3 Wheelchairs

11 Seats + 2 Wheelchairs

13 Seats + 1 Wheelchair