

# VMC OPTIMAL

## 2022 S1 LF



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

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

← 101.6" →  
2.58m

Wide Body Enhances Passenger Comfort



Available Front Destination Sign



All-Electric Propulsion



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



# Discover the VMC Optimal Advantage

## Standard Chassis Equipment

E450 Ford Chassis Platform  
 GVWR of 14,500lb (6577 kg)  
 LT225/75R16 Tires  
 Proterra Battery - 113 kWh  
 Traction Motor - 280 kW  
 Max. Speed 70 mph (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" x 79.6"  
 (1067mm x 2022mm)

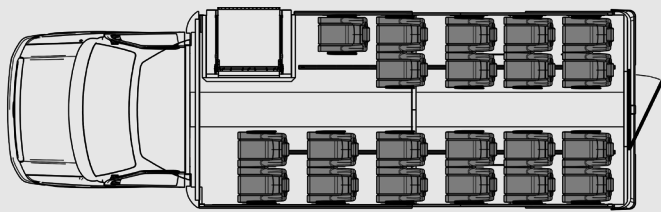
## Popular Optional Equipment

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

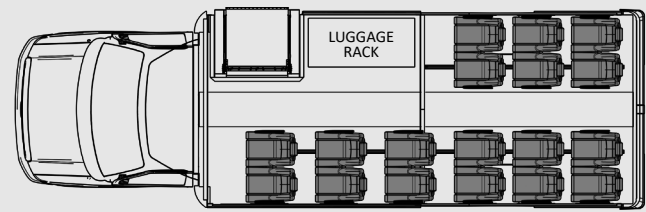
## Specifications

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)

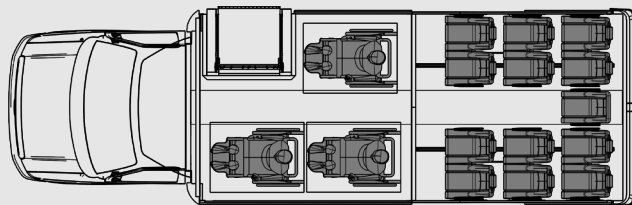
## Popular Floorplans



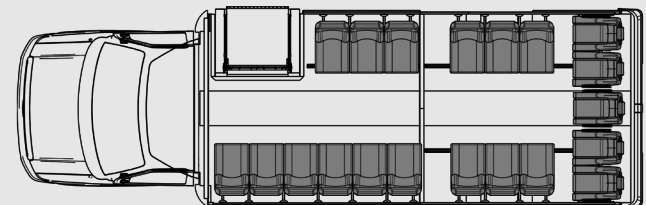
21 Seat with Rear Entry Door Configuration



18 Seat + Storage Configuration



13 Seat + 3 Wheelchair Configuration



20 Seat Perimeter Configuration

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