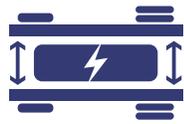




S1 Battery-Electric Low-Floor Bus

Making EVs Accessible for All.



Battery & High Voltage Wiring Fully Protected between Frame Rails

Best in class side impact crash worthiness among EV conversions



Powered by Proterra®

The industry's safest & most stable high voltage battery



Low Floor Simplified

Proprietary low-floor chassis enables 11" step-in height without the use of kneeling suspension, reducing complexity and optimizing ride quality with OEM suspension



Engine Mass Replacement System (EMRS)™

Best in class frontal crash worthiness among EV conversions





Functional Specifications

Seating Capacity	Up to 20 Passengers
Accessibility Capacity	Up to 3 Wheelchair Locations
Ramp Angle	6:1
HVAC System Capacity	86,000 BTU
Traction Motor Continuous/Peak Torque	737/1253 lb-ft (1000/1700 Nm)
Traction Motor Continuous/Peak Power	225/375 HP (170/280 kW)
Voltage Range	300 - 750 vdc
Top Speed	70 MPH (112 KPH)
Gradeability	30% (Equivalent to OEM Ford E450)
Range*	135 Miles (201 km)

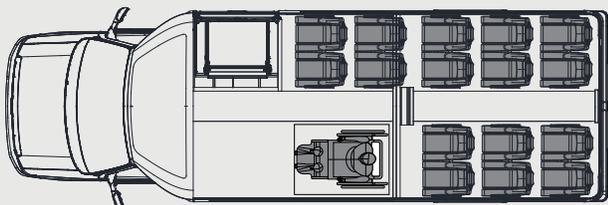
Battery Specifications

Battery Manufacturer/Model	Proterra® S115
Battery Size	123 kWh
System Voltage	326 V (Nominal)
Design Life Cycle	>4000 @90% DOD
Temp. Range	-22° F to +133° F (-30° C to +56° C)

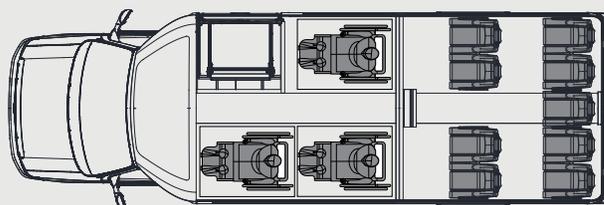
Charging

Standard	
Level 1 & Level 2 AC Charging (J1772)	Charging in < 8 Hours
Optional	
Level 3 DC Fast Charge	Charging in < 2 Hours

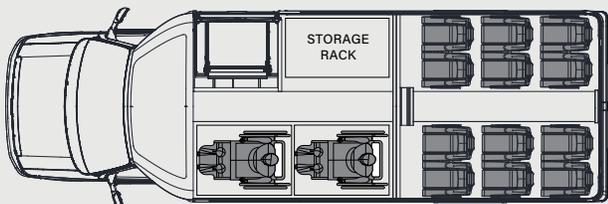
Popular Floorplans



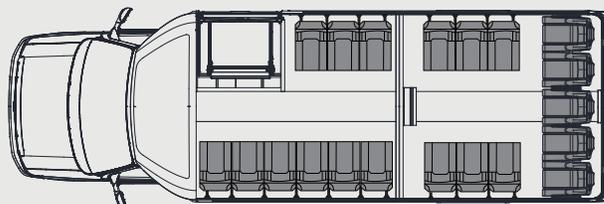
16 Seat + 1 Wheelchair Configuration



9 Seat + 3 Wheelchair Configuration



12 Seat + 2 Wheelchair Configuration



20 Seat Perimeter or Forward Facing

Optimal Electric Vehicles, LLC. (Optimal EV) reserves the right to make changes at any time, without notice, in prices, colors, materials, equipment, specifications, models and availability.

*Estimated range dependent upon: ambient temperature, drive cycle, loading condition, ancillary loads, etc.

For more information, please visit: www.optimal-ev.com



Designed in USA | Made in USA

OPTIMAL · EV

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