



# 40 FOOT BATTERY-ELECTRIC TRANSIT BUS

PLATFORM SPECIFICATIONS



|   | Description                               | ZX5+      | ZX5 MAX   |
|---|---|-----------|-----------|
| Total Energy  | kWh                                       | 492       | 738       |
| Operating Efficiency*   | kWh/km                                    | 1.1-1.6   | 1.9-2.8   |
|   | Litres/100km equivalent                   | 11.2-15.7 | 11.8-16.8 |
| Operating Range*  | Kilometers                                | 265-385   | 360-550   |
| Top Speed (Proterra-governed)   | km/hr (per tire rating)                   | 105       | 105       |
| Acceleration (at SLW, seconds)  | 0-32 km/hr                                | 6.2       | 6.5       |
|   | 32-80 km/hr                               | 22.8      | 24.8      |
| Gradability (top speed at % grade, at SLW, km/hr)   | 5%  | 74        | 69        |
|   | 10%                                       | 44        | 41        |
|   | 15%                                       | 31        | 29        |
| Max Grade (at SLW)  |   | 28%       | 25%       |
| Power (kW)  | Peak                                      | 240       | 240       |
|   | Continuous                                | 205       | 205       |
| Motor   | Single 240kW permanent magnet drive motor | •         | •         |
| Gearbox   | 4-speed EV transmission                   | •         | •         |
| Curb Weight   | kg  | 14,016    | 16,012    |
| Max Gross Vehicle Weight Rating   | kg  | 19,799    | 19,799    |
| <b>CHARGING</b>   |   |           |           |
| Max Plug-in Charge Rate at 200A   | kW  | 147       | 147       |
| Max Plug-in Charge Rate at 300A   | kW  | 221       | 221       |
| Max Overhead Charge Rate at 500A  | kW  | 370       | 370       |
| Overhead Charging***  | Miles replenished per 10 min**            | 39        | 34        |
|   | Est. time 0-80% at 450 kW                 | 1.3 hrs   | 1.9 hrs   |
| Plug-in Charging***   | Est. time 0-80% at 150 kW                 | 2.6 hrs   | 3.9 hrs   |
|   | Est. time 0-80% at 180 kW                 | 1.9 hrs   | 2.9 hrs   |
| <b>VEHICLE DIMENSIONS</b>   |   |           |           |
| Length (over bumpers)   |   | 12.95 m   |           |
| Roof Height   |   | 3.29 m    |           |
| Width (without mirrors)   |   | 2.59 m    |           |
| Width (with mirrors)  |   | 2.95 m    |           |
| Wheelbase   |   | 7.52 m    |           |
| Approach Angle  |   | 9.3°      |           |
| Breakover Angle   |   | 7.8°      |           |
| Departure Angle   |   | 9.3°      |           |
| Turning Radius  |   | 13.11 m   |           |
| *Operating range and efficiencies approximated from simulations based on Altoona testing results at SLW, and will vary with route conditions, weather, vehicle configuration and driver behavior.<br>** ProDrive powertrain efficiencies   *** Charge time will vary depending on charger type. Estimated charge time 0-80% as displayed on driver dashboard. |   |           |           |



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PLATFORM SPECIFICATIONS | CANADA



|                                | Description  |
|--------------------------------|--|
| <b>INTERIOR</b>                |  |
| Seating Capacity               | 40   |
| Clear Door Width               | Front 86 cm, Rear 110 cm   |
| Lighting                       | LED interior lighting system   |
| Handles                        | Stainless-steel stanchion system   |
| Stop Request                   | ADA pull cord or touch tape stop request   |
| Doors                          | Sensitive edges on both front and rear door  |
| Wipers                         | Electric wipers and washers  |
| HVAC                           | Overhead integrated system   |
| <b>EXTERIOR</b>                |  |
| Bus Body                       | Carbon-fiber-reinforced composite material   |
| Tire Size                      | 315/80R22.5  |
| Exterior Lights                | LED  |
| <b>BRAKES &amp; SUSPENSION</b> |  |
| Braking System                 | Front & rear air disk brakes   |
| Regenerative Braking           | Standard   |
| Traction                       | 4-wheel ABS with traction control  |
| Suspension                     | Multi-Link Air Ride rear suspension  |
| <b>ELECTRICAL SYSTEM</b>       |  |
| Battery System                 | Integrated battery management system   |
| Low Voltage                    | Two, Group 31 700 CCA 12v batteries  |
| Charge Ports                   | J1772 CCS: One port standard at curb-side rear, 2nd port optional at street-side rear or curb-side front |
| Plug-in Charging               | Universal standard J1772-CCS   |
| Overhead Charging              | Optional; Universal standard J3105   |
| <b>ADA</b>                     |  |
|                                | Two ADA locations, one on each side of the aisle directly behind the front wheels                        |
|                                | ADA securement system  |
|                                | Front electrically operated wheelchair ramp (4:1, 6:1 slope)   |
|                                | Rear door modesty panels   |
|                                | Aisle width between front wheel wells: 91 cm   |
| <b>WARRANTY</b>                |  |
| Vehicle                        | Complete Bus - 1 year or 80,000 km<br>Extended warranties and service contracts available upon request   |
| Batteries                      | Standard: 6 years   Extended: 12 years   |