# THE CATALYST<sup>TM</sup> PLATFORM





THE PROTERRA
CATALYST IS THE MOST
VERSATILE ELECTRIC
TRANSIT VEHICLE IN
THE WORLD.

The Proterra® Catalyst electric transit vehicle is a platform for the electrification of transit systems around the world. While the Proterra name has been synonymous with its revolutionary on-route, fast-charging technology; with the introduction of the Catalyst Extended Range, Proterra now offers its customers flexibility unrivaled in the electric vehicle industry.

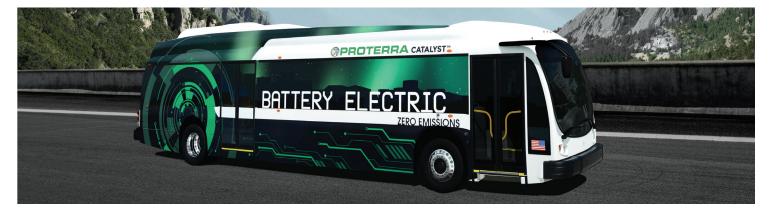
Utilizing the only purpose-built for transit composite body and proven electric drivetrain technology, Proterra offers multiple battery types and charging technologies in order to deliver a wide range of configurations. With the Proterra Catalyst, we're able to provide a customizable solution based on your individual budget needs, route length, and charging requirements.



### 40-FOOT PROTERRA® CATALYST™



## THE CATALYST PLATFORM



#### **DIMENSIONS**

<ul> <li>Overall Length</li> </ul>	42'6"
<ul> <li>Overall Width</li> </ul>	102"
<ul> <li>Overall Height</li> </ul>	135.5"
<ul> <li>Wheelbase</li> </ul>	24′ 8″
<ul> <li>Approach Angle</li> </ul>	8.8°
Breakover Angle	7°
Departure Angle	8.7°
<ul> <li>Turning Radius</li> </ul>	41.9′
<ul> <li>Curb Weight*</li> </ul>	23,310 lbs
• FC Battery Back Weight	524 lbs
• XR Battery Back Weight	609 lbs
<ul> <li>Gross Vehicle Weight*</li> </ul>	39,050 lbs
<ul> <li>Front Axle*</li> </ul>	15,660 lbs
<ul> <li>Rear Axle*</li> </ul>	28,660 lbs

#### **BRAKES/SUSPENSION**

Front & rear air disc brakes

\*Weight dependent on configuration

- 4-wheel ABS with optional traction control
- Side or full kneeling suspension
- Independent front suspension
- Multi link air ride (4 baa) rear suspension

#### **ELECTRICAL SYSTEM**

- High Voltage: Advanced Lithium Titanate fastcharge energy storage system
  - NMC extended range energy storage system
- Integrated battery management system
- Low Voltage: Two Group 31 700 CA 12V batteries
- Flexible Charging System, on-route or

#### **INTERIOR**

- Maximum passenger capacity = 77: 40 seated and 37 standees
- Federal legal passenger load = 54: 40 seated and 14 standees
- Modesty panels at the rear door
- LED interior lighting system
- Industry-leading window area, including spacious rear window
- Stainless steel stanchion system
- ADA pull cord or touch tape stop
- Sensitive edges on both front and rear doors
- Electric wipers & washers
- Door Widths: Front 34", Rear 39.5"
- HVAC overhead integrated system

#### **ADA**

- Two ADA locations; one on each side of the aisle directly behind the front wheel wells\*
- ADA securement systems
- Front ADA power wheelchair ramp\* (4:1, 6:1 slope)
- Employs new APTA seating system\*
- 35.5" aisle width
- \*Customer configurable

#### **DRIVETRAIN**

- 220 kW peak permanent magnet drive motor (295 hp, 500 ft. lbs torque)
- Proterra 2-speed auto-shift **EV** transmission
- Roof mounted cooling system

#### **EXTERIOR**

- Michelin 305/70R22.5 tires with forged aluminum wheels\*
- · Power exterior mirrors with integrated turn signals and heat\*
- Romeo rim front & rear bumpers
- White exterior gelcoat finish
- LED exterior lights
- Halogen headlamps\*
- \*Weight dependent on configuration

#### WARRANTY

- Complete bus 1 year or 50,000 miles
- Extended warranty & service contracts available upon request
- Batteries 3 year

#### **PERFORMANCE**

- Fuel Economy (with full passenger load and HVAC): 20.8 MPGe (1.69 kWh/mile)\*
- Top Speed: 65 mph

Speed	Acceleration Seconds*
0-10	3.3
0-20	6.8
0-30	14.5
0 -40	27
0-50	43.3

\*Validated at Altoona on Proterra's first electric bus. Preliminary testing indicates improved performance for Proterra's 40-foot electric bus.

