

# THE CATALYST™ 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.



For more information on Proterra, please visit [proterra.com](https://proterra.com).

# 40-FOOT PROTERRA® CATALYST™

## THE CATALYST PLATFORM



### DIMENSIONS

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

\*Weight dependent on configuration

### BRAKES/SUSPENSION

- Front & rear air disc brakes
- 4-wheel ABS with optional traction control
- Side or full - kneeling suspension
- Independent front suspension
- Multi - link air ride (4 bag) rear suspension

### ELECTRICAL SYSTEM

- High Voltage:
  - Advanced Lithium Titanate fast-charge 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 in-depot

### 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 request
- 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.