

All American **ELECTRIC**
Technical Specifications



Specification Highlights

CAPACITY	Multiple floor plans available with passenger seating up to 84
EXTERIOR WIDTH	96"
INTERIOR WIDTH	90 3/4"
AISLE WIDTH	Varies by floor plan
SKIRT LENGTH	25 3/4"
INTERIOR HEADROOM	77"
OVERALL HEIGHT	124"
WHEELBASE	245" / 259" / 273"
BATTERIES	194 kWh Li-ION NMC
ENTRANCE DOOR	32" wide x 81" high / double "full view" outward opening
PROPULSION SYSTEM	Cummins PowerDrive 7000
MOTOR	TM4® SUMO™

TIRE SIZE	11R22.5 (G)
BRAKES	Air brakes 6" front and 7" rear
SUSPENSION	Front - 13,000 lb. parabolic springs Rear - 23,000 lb. leaf springs
STEERING	Tilting/telescoping steering
FRONT AXLE	13,200 lb.
REAR AXLE	23,000 lb.
WHEEL CUT	50°
GVWR	Up to 36,000 lb.
MAXIMUM RANGE	Up to 150 miles
RECHARGE TIME	Standard CCS1 connector with AC and DC Fast Charging capabilities: - Level 2 charging in approx. 8hrs - Level 3 (DCFC) charging in approx. 2hrs



Technical Specifications

Chassis

- 100,000 psi steel frame rails 10 1/8" high x 3" flanges x 1/4" thick
- Cummins PowerDrive 7000 propulsion system, Utilizing an electric motor, 315 peak horsepower, 2,400ft-lbs peak torque
- 194 kWh Lithium ion NMC/G cell between frame rails
- 620 Nominal Voltage
- Up to 150 miles per charge dependent on drive cycle, driver behavior, accessories and HVAC usage
- 11R22.5 (G) tires
- Large, easy to read gauges
- 13,200 lb. front axle with parabolic spring suspension
- 23,000 lb. rear axle with leaf spring suspension
- Rubber coolant hoses
- Anti-lock brakes
- Air brake system
- 12" steel front bumper
- Tilting/telescoping steering column
- Group-31 12v battery
- "Huck Spin" fasteners on all permanent frame fixtures

Durability

- All parts are pre-primed or thoroughly rust-proofed after fabrication and before assembly
- Entire underbody (body skirt and floor) is undercoated before mounting on chassis
- Exterior surfaces are painted with heat-cured polyurethane
- Interior surfaces are painted with high-quality, hot-sprayed, baked-on enamel
- 1/8" Smooth black rubber flooring, 3/16" ribbed rubber aisle
- Rubber cooling hoses
- Rubber molded wheelhouse
- "Huck Spin" frame fasteners

Comfort & Convenience

- 77" headroom at aisle, front to rear
- 12" Split-sash, tempered windows
- Tinted windshield
- 90,000 btu front heater and defroster
- Full "panoramic" cockpit view
- Full body insulation
- Acoustic headlining (Driver's section)
- Efficiency meter

Strength

- 14-gauge steel, hat shaped posts and roof bows
- 16-gauge, channeled interior steel window headers
- Riveted and welded construction
- Four full-length, 16-gauge exterior side rub rails
- 20-gauge fluted exterior side panels
- 22-gauge interior galvalume side panels
- 14-gauge steel floor panels
- 100,000 psi steel chassis frame, 1/4" thick with permanent fixtures and attached with "Huck Spin" fasteners

Safety

- 4-wheel anti-lock brakes
- Single halogen headlights
- Driver's three-point seat belt with adjustable 7 1/2" pillar loop
- Outward-opening entrance door
- Flat and convex rearview mirrors
- Crossview mirrors
- Electric horn with high and low note
- Blue Bird's unitized construction of the passenger compartment
- 15" steel front bumper, 12" steel rear bumper
- Suspended brake and accelerator pedals with optimized spacing
- Certified to Colorado Rack and Load and Kentucky Pole testing
- Sound generator enabled with speeds less than 20mph

Serviceability

- Wiper motors mounted behind hinged panel for easy access
- Easy access to front headlights
- Body wiring terminal is easily accessible through exterior electrical compartment
- Wiring is color coded and continuously numbered for easy identification
- Fused circuit protection
- Grease fittings on emergency door hinges
- Easy-opening, outward opening entrance door; features long-lasting, oil-impregnated, bronze pivotal bearings
- All Lights equipped with plug in connectors

Driver Ergonomics

- Power steering with tilting/telescoping column
- Large, easy to read gauges
- Backlit, easy to reach switch panel with rocker switches
- Electric, intermittent, single switch windshield wipers
- 3-point seat belt with 7 1/2" vertical adjustment
- Fully adjustable driver's seat
- Wraparound dash

Optional Features

- Front and rear air ride suspension available on 259" and 273" wheelbase only
- Roof or skirt mounted HV self contained A/C
- Wheelchair lift is available as right side mid mount only
- Driver side tool compartment
- Driver side mid-mount luggage compartment
- Stepwell area heater, front of bus heaters and rear bus heaters

Dimensions

Headroom	77"
Width Exterior	96"
Width Interior	90 3/4"
Skirt Length	25 3/4"
Overall Length	393" - 477"
Overall Height	124"
	excluding options
Wheelbase/	245" = 78
Passenger Capacity	259" = 81
	273" = 84

