



2005 GEM e2 Vehicle Technical Specifications

Weights and Measures

Curb Weight:	1078 pounds	Length:	99 inches
GVW:	1600 pounds	Height:	68 inches
Width:	55 inches	Turning Radius:	12 feet 3 inches
Wheelbase:	72 inches		

Powertrain

Motor:	72-volt shunt GE motor
Transmission:	Front-wheel-drive Dana Spicer speed reducer with integral differential
Speed Controller:	GE solid-state custom controller with: <ul style="list-style-type: none">- Under-voltage detector- Over-voltage detector- Regenerative braking- Motor Thermal protection- Top-Speed regulation
Battery Pack:	Six Trojan 12-volt deep-cycle batteries (optional Deka Gel - maintenance free)
Onboard Charger:	Proprietary 72-volt DC using 110-volt AC input.

Chassis

Tires:	10-inch two-ply street and turf-rated tires
Brakes:	Four-wheel automotive-style hydraulic brakes and parking brake
Front Suspension:	Dual a-arm independent suspension with coil over shocks
Rear Suspension:	Trailing arm with two coil spring/shock units
Steering:	Automotive rack-and-pinion with permanently sealed tie-rod ends
Frame:	Aluminum welded space frame using custom aluminum-alloy extrusions

Body

Seating:	Seats two occupants Bench seat using a molded foam cushion covered by marine-grade UV-stable vinyl coverings
Passenger Restraints:	Automotive-design three-point safety belts
Lighting:	Quartz-halogen headlamps, front and rear turn signals, high-mount rear brake and taillamps with a 20 second safety delay after vehicle is turned off.
Windshield:	Laminated, tinted automotive safety glass with wiper
Body:	Structural composite and thermoplastic panels
Horn:	Standard
Floor Mat:	Standard
Safety Handles:	Dual upper hand (optional) and lower seat rail
Reflector:	Rear and side
Mirror:	Rearview and dual exterior (driver's side standard, passenger side optional)

Performance

Speed:	Dual Controllable	Low: 0-15 mph	High: 0-25 mph
Range:	Up to 30 miles*		

Options

12V Accessory Plug	Chrome Bumper	GEL Batteries (maintenance free)	
Car Covers	Custom Wheels	Scuff Guards	Alpine Stereo
Soft Doors	Hard Doors	Heater/Defroster	
Charging Cord Set	Premium Colors	Windshield Washer Kit	

*Range will vary depending on temperature, grade, and driving style.