

# GEM PASSENGER COMPARISON SUMMARY



GEM e4



Club Car® Villager  
2+2 LSV



Moto®EV Electro Bubble  
Buddy 4 Passenger  
LE Bubble Buddy



Columbia® Journeyman 4



EZ GO® 2 Five 4 Passenger

## CAPABILITY

Your LSV needs to be capable of performing your necessary jobs. See how these vehicles suit your needs in performance capabilities.

<b>Payload</b>	1,149 lb (522 kg)	800 lb (362.9 kg)	792 lb (359.2 kg)	1,100 lb (499 kg)	800 lb (363 kg)
<b>Box Capacity</b>	330 lb (150 kg)	N/A	N/A	N/A	N/A
<b>Towing Capacity</b>	Up to 1100 lb (499 kg), not to exceed GVWR (off-road use only, max tongue weight of 150 lb (68 kg))	N/A	N/A	N/A	N/A
<b>Person Capacity</b>	4	4	4	4	4
<b>Ground Clearance</b>	8 in (20 cm)	4.5 in (11.4 cm)	5 in (12.7 cm)	6.5 in (16.5 cm)	4.5 in (11 cm)
<b>Turning Radius</b>	207 in (526 cm)	68 in (173 cm)	144 in (365.8 cm)	304 in (772.2 cm)	236.4 in (600.5 cm) (outside clearance circle)
<b>Overall Vehicle Size L x W x H</b>	135 x 55.5 x 73 in (343 x 141 x 185 cm)	110.1 x 50.8 x 49.8 in (279.7 x 129 x 126.5 cm)	120 x 55.2 x 74.4 in (304.8 x 140.2 x 189 cm)	129.1 x 53.5 x 73.6 in (327.9 x 135.9 x 186.9 cm)	107.1 x 47.3 x 71.2 in (272 x 120 x 181 cm)
<b>Estimated Weight</b>	1,350 lb (612 kg)	1,129 lb (512 kg)	N/A	1,058 lb (480 kg)	872 lb (396 kg)

## RIDING EXPERIENCE

Whether you're moving things or transporting people, a great riding experience is an important part of your vehicle. See how these LSVs stack up in riding experience.

<b>Front Suspension</b>	MacPherson® Strut-5.6 in (14 cm)	Independent leaf spring with dual hydraulic shock	Independent	Double A-arm with independent coil springs over shock absorbers	Independent A-arm with coil over shock
<b>Rear Suspension</b>	Independent trailing arm - 6 in (15 cm)	Leaf spring with dual hydraulic shocks	Steel plate	Independent coil springs over shock absorbers with anti-roll sway bar	Mono-leaf springs with hydraulic shocks
<b>Tilt Steering</b>	Optional	N/A	N/A	N/A	N/A
<b>Electronic Power Steering</b>	Optional	N/A	N/A	N/A	N/A
<b>Adjustable Driver Seat</b>	Standard	N/A	Standard	N/A	N/A
<b>Seat Covering</b>	Charcoal vinyl	Vinyl	Plastic	Vinyl	Vinyl

## SAFETY

LSVs are held to a higher safety standard than your average golf cart. See how these vehicles are engineered to keep passengers and pedestrians safe.

<b>Lighting</b>	LED headlights and brake lights, dome light, turn signals	Standard package meets FMVSS 500 requirements	Standard LSV lighting including head lights, taillights, brake lights, and turn signals	Standard LSV lighting including head lights, taillights, brake lights, and turn signals	Standard LSV lighting including head lights, taillights, brake lights, and turn signals
<b>Safety Features</b>	Integrated backup camera, grab handles, automotive safety glass, windshield wiper, durable non-slip flooring, 3-point seat belts, high back forward facing seats, OPS rails, AVAS (acoustic vehicle alert system)	3-point seat belts, safety-glass windshield, windshield wiper, illuminated rear license plate holder, battery warning light	DOT AS-1 certified windshield, windshield wiper, horn, DOT 3.0 shoulder harness certified seatbelts, non-slip floors, security shut off switch	Seat belts	3 point seat belts, rear view mirror and side mirrors, automotive safety glass windshield (AS1), OPS rated canopy, floor board mounted horn
<b>Additional Certifications</b>	SAE J2358 roof crush certified, SAE J2358 braking compliant, SAE J2358 seat belt compliant, SAE J2358 lateral stability compliant, DOT certified standard safety features, AVAS	FMVSS 500, SAE J2358	N/A	N/A	N/A
<b>Seat Orientation</b>	Forward facing	Forward and reverse facing	Forward facing	Forward facing	Forward and reverse facing

## BATTERY

The battery is the heart of an LSV and is critical to vehicle performance. See what options these LSVs have to offer for battery type and charging.

<b>Charging options</b>	1 KW onboard charger, 3 KW or 6 KW J1772 charger	On-board charger	Eagle® on-board charger	N/A	On-board 48V DC
<b>Battery Options</b>	Flooded Electrolyte, Maintenance Free, Distance Maintenance Free, Lithium-Ion 8.9 kWh, Lithium-Ion 12.4 kWh	(6) 8V, deep cycle	(8) Trojan® 105 batteries	(6) 8V	(6) 8V deep-cycle

## OTHER FEATURES

Turn-key solutions straight from the factory save consumers time and money on aftermarket customization. See what other features these LSVs offer to provide added value to consumers.

<b>Front/Rear Brakes</b>	F: Disc R: Hydraulic drum	F: 4-wheel drum R: 4-wheel drum	F: Hydraulic R: Hydraulic	F: Vented disc R: Drum	F: Hydraulic disc with full-time regenerative braking R: Hydraulic disc with full-time regenerative braking
<b>Parking Brake Type</b>	Hand-actuated	Foot-operated	Mechanical	Automatic	Spring applied electro-magnetic
<b>Engine Type</b>	48V AC induction electric	48V DC, reduced reverse speed	N/A	48V AC induction, NEMA class H temperature rated	48V AC
<b>Front Tires</b>	13 in street-rated 155/80 R13	18 x 8.5-8 DOT premium tread with 7-spoke wheel covers	N/A	205/50-10 DOT rated tires	DOT street legal 205-50-10 radial
<b>Rear Tires</b>	13 in street-rated 155/80 R13	19 x 8.5-8 DOT premium tread with 7-spoke wheel covers	N/A	205/50-10 DOT rated tires	DOT street legal 205-50-10 radial
<b>Wheels</b>	Stamped steel, aluminum (opt.)	N/A	Rust protected	N/A	N/A
<b>Cargo System</b>	N/A	N/A	N/A	N/A	N/A
<b>Warranty</b>	Components: Standard 2 year/8,000 mi (12,900 km) limited warranty Lead acid batteries: Pro-rated 2 year/8,000 mi (12,900 km) Li-ion batteries: 5 year/30,000 mi (48,300 km) limited warranty	Vehicle: 2 year Battery: 4 year	3 year limited standard	Frame: Lifetime Part and labor: 2 year	Frame: Lifetime Deep cycle battery: 2 years/7,000 miles/23,000 amp hours
<b>Other Standard Features</b>	Bucket seats, 43 in leg room, Adjustable seat sliders, 1 kW onboard charger that plugs into 110 V outlet, Weather resistant seats, Sound emitter, Lockable storage compartment, 2 cupholders in dash	Shelf mounted charger, On-board charger, 4 Cupholders, 2-passenger canopy, 7 spoke wheel cover	On board smart charging system, Stereo, Deluxe digital dashboard, Locking trunk, Wood grain steering wheel	Cupholders	Comfortable contoured seats, Dash-mounted 12V accessory outlet, Passenger side locking glove compartment, Deep cup holders
<b>Wheelbase</b>	101 in (256.5 cm)	67.3 in (170.9 cm)	N/A	96 in (243.8 cm)	65.9 in (167 cm)
<b>Drive System Type</b>	Direct front wheel	N/A	Rear wheel drive	N/A	Motor shaft direct drive

\* Disclaimer: All information has been obtained from publicly-available and reputable sources, including manufacturer websites and product manuals.

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