

GEM UTILITY COMPARISON SUMMARY



GEM eL XD



Club Car® Carryall 510 LSV



Club Car® Carryall 710 LSV



Moto® EV Electro Bubble Buddy LSV 2 Passenger Utility Standard



STAR® LSV AK Series AK48-2-STD-UB

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

Payload	1,415 lb (642 kg)	950 lb (430.9 kg)	1,250 lb (566.9 kg)	800 lb (362.9 kg)	990 lb (449.1 kg)
Box Capacity	1,100 lb (499 kg)	N/A	500 lb (226.8 kg)	N/A	660 lb (299.4 kg)
Towing Capacity	Up to 1,100 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	3,000 lb (1360.7 kg)
Person Capacity	2	2	2	2	2
Ground Clearance	8 in (20 cm)	5.6 in (14.2 cm)	5.6 in (14.2 cm)	5 in (12.7 cm)	5 in (12.7 cm)
Turning Radius	233 in (592 cm)	121 in (307.3 cm)	151.5 in (384.8 cm)	129.6 in (329.2 cm)	176.4 in (448.1 cm)
Overall Vehicle Size L x W x H	146 x 55.5 x 73 in (371 x 141 x 185 cm)	118 x 62.6 x 47.1 in (299.7 x 159 x 119.6 cm)	137.5 x 50.3 x 47.1 in (349.3 x 127.8 x 119.6 cm)	116.4 x 55.2 x 72 in (295.7 x 140.2 x 182.9 cm)	122 x 57 x 73.6 in (309.9 x 144.8 x 186.9 cm)
Estimated Weight	1,585 lb (719 kg)	1,656 lb (751 kg) (curb)	1,765 lb (801 kg) (curb)	N/A	1,750 lb (771.1 kg) (with batteries, no doors)

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.

Front Suspension	MacPherson Ride® Strut 5.6 in (14 cm)	Independent leaf spring w/ dual hydraulic shocks	Independent leaf spring w/ dual hydraulic shocks	Independent	Independent, coil over shock
Rear Suspension	Independent trailing arm 6 in (15 cm)	Independent leaf spring w/ dual hydraulic shocks	Independent leaf spring w/ dual hydraulic shocks	Steel plate	Leaf spring and shock
Tilt Steering	Optional	N/A	N/A	N/A	N/A
Electronic Power Steering	Optional	N/A	N/A	N/A	N/A
Adjustable Driver Seat	Standard	N/A	N/A	Standard	N/A
Seat Covering	Charcoal vinyl	Vinyl	Vinyl	Plastic	N/A

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.

Lighting	LED headlights and brake lights, dome light, turn signals	37.5 watt halogen headlights, turn signals, LED taillights/brake light	37.5 watt halogen headlights, turn signals, LED taillights/brake light	Standard LSV lighting including head lights, taillights, brake lights, and turn signals	Standard LSV lighting including head lights, taillights, brake lights, and turn signals
Safety Features	LED turn signals, integrated backup camera, grab handles, automotive safety glass, windshield wiper, durable non-slip flooring, 3-point seat belts, high back forward facing seats	Automotive safety windshield glass, safety belts, turn signals, headlamps, brake lights, horn, mirrors, reflex reflectors, parking brake, rear view camera	Automotive safety windshield glass, safety belts, turn signals, headlamps, brake lights, horn, mirrors, reflex reflectors, parking brake, rear view camera	DOT AS-1 certified windshield, windshield wiper, horn, DOT 3.0 shoulder harness certified seatbelts, non-slip floors, security shut off switch	AS1 DOT automotive windshield with wiper, horn, reverse beeper, 3 or 2 point seatbelts
Additional Certifications	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, SAEJ2358	FMVSS 500, SAEJ2358	N/A	N/A
Seat Orientation	Forward facing	Forward facing	Forward facing	Forward facing	Forward 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.

Charging options	1 KW onboard charger, 3 KW or 6 KW J1772 charger	On-board DeltaQ® QuiQ (1KW high frequency)	On-board DeltaQ® QuiQ (1KW high frequency)	Eagle® on-board charger	US-made DPI automatic charger
Battery Options	Flooded electrolyte, Distance maintenance free, Lithium-Ion 8.9 kWh, Lithium-Ion 12.4 kWh	High capacity, deep cycle, 6-volt	High capacity, deep cycle, 6-volt	(6) 8V	(8) 6V Trojan® T-105, AGM (opt.)

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.

Front/Rear Brakes	F: Disc R: Hydraulic drum	F: 4-wheel hydraulic disc R: 4-wheel hydraulic drum	F: 4-wheel hydraulic disc R: 4-wheel hydraulic drum	F: Hydraulic R: Hydraulic	F: Hydraulic drum R: Hydraulic drum
Parking Brake Type	Hand-actuated	Hand-operated	Hand-operated	Mechanical	Hand activated
Engine Type	48V AC induction electric	48V 3-phase AC	48V 3-phase AC	N/A	7.0 HP AC motor
Front Tires	13 in street-rated 155/80 R13	DOT rated, 205/50 R10, premium tread	DOT rated, 205/50 R10, premium tread	N/A	25 x 8.5-12 All-terrain tire
Rear Tires	13 in street-rated 155/80 R13	DOT rated, 205/50 R10, premium tread	DOT rated, 205/50 R10, premium tread	N/A	25 x 8.5-12 All-terrain tire
Wheels	Stamped steel, aluminum (opt.)	N/A	N/A	Rust protected	12 in aluminum
Cargo System	N/A	Electric bed lift (optional)	Electric bed lift	Box w/ folding sides	N/A
Warranty	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	5 year limited battery 3 year limited powertrain/frame 2 year limited remaining vehicle	4 year limited battery 3 year limited powertrain/frame 2 year limited remaining vehicle	3 year limited standard	2 year bumper-to-bumper, less wear items
Other Standard Features	Bucket seats, Safety belts, Grab handles, Windshield, wiper, Non-slip flooring, 43 in leg room, Adjustable seat, sliders, 1 kW onboard charger that plugs into 110 V outlet, Weather resistant seats, Sound emitter, Integrated backup, camera, 70 cubic ft of cab space, Accessory outlet	N/A	N/A	On board smart charging system, Stereo, Deluxe digital dashboard, Locking trunk, Wood grain steering wheel	Deluxe stereo, CD player with two speakers
Wheelbase	114 in (289.6 cm)	74.3 in (189 cm)	99.1 in (251.7 cm)	N/A	88 in (223.5 cm)
Drive System Type	Direct front wheel	12.3:1 direct-drive axle, double reduction helical gear	N/A	N/A	Rear direct drive

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

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