

GEM[®] eX

Most Versatile Electric Commercial UTV

The GEM eX is a versatile electric UTV for commercial, government and industrial applications. This workhorse is engineered to be street legal and comfortable like a truck, nimble and all-terrain-capable like a UTV and safe and reliable like a Li-ion GEM. It delivers unparalleled versatility to get jobs done whether operating on road or off, in warm climates or cold.



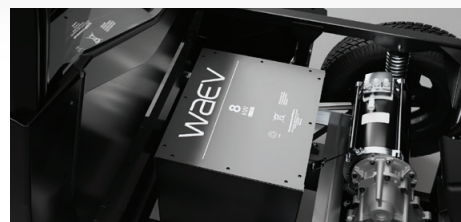
All-Terrain

Designed to safely deliver the mobility that commercial applications need in a trusted GEM.



Street Legal

Engineered with low-speed vehicle (LSV) features that make GEM the leading LSV on the market.



All-Electric

GEMs refined Li-ion technology is optimized for low-speed, all-weather & demanding fleet use.

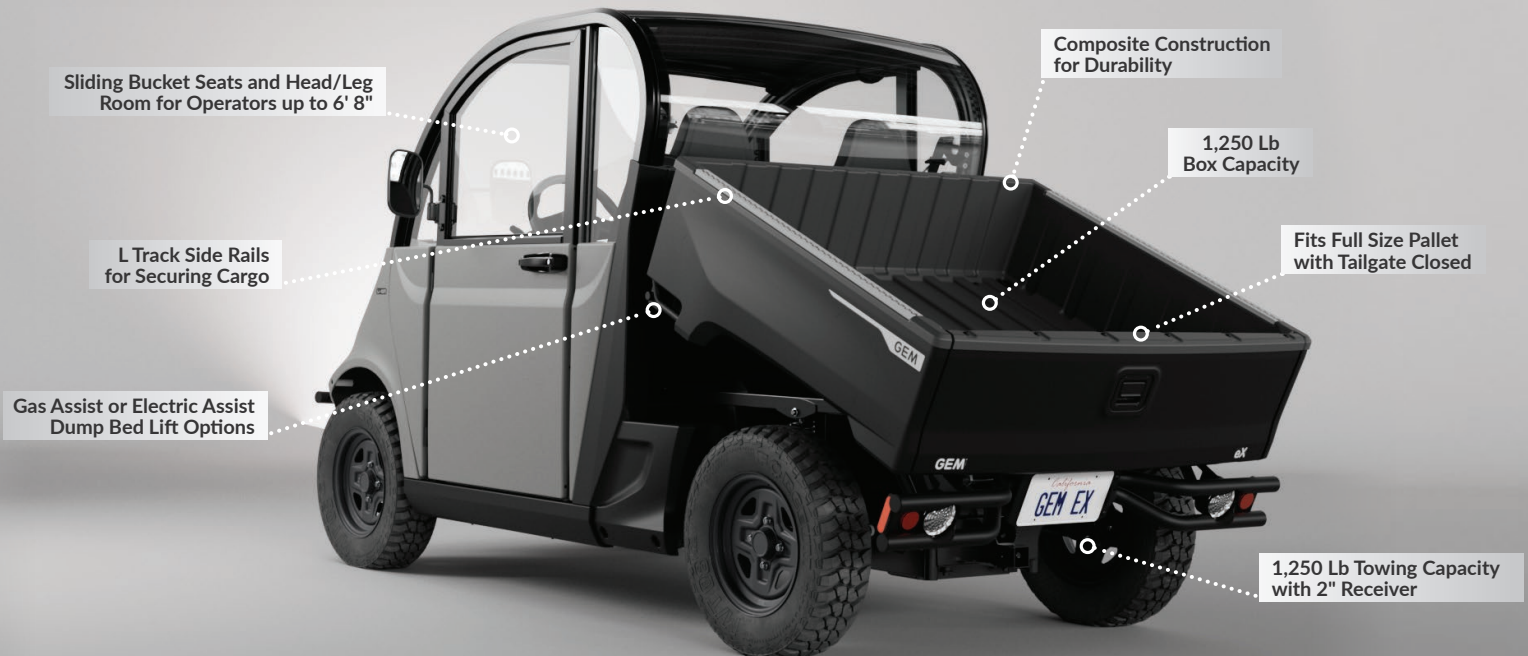
On-Road to All-Terrain

The eX is engineered for ultimate versatility. Safely and legally operate on-road under the federally classified Low-Speed Vehicle (LSV) category or work off the road with UTV all-terrain capability.



Workhorse Utility

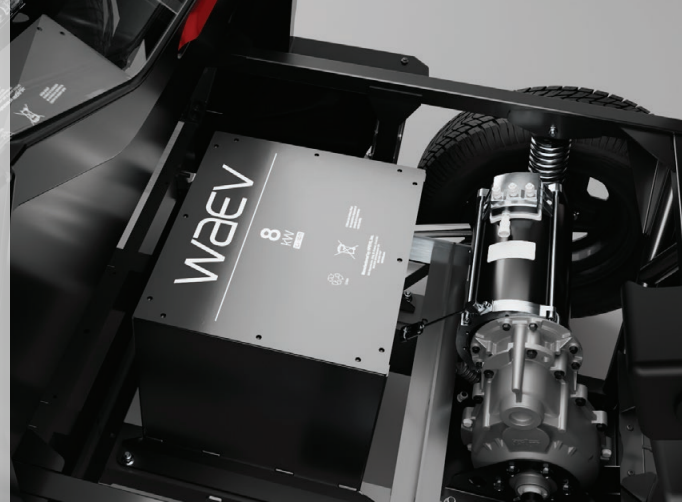
The eX's versatility extends beyond where it can operate to the type of jobs it can do. Its rugged utilitarian features are designed to meet the demands of many types of fleet customers who perform a wide variety of tasks.



The Li-ion Advantage

Longer Life, Longer Warranty, Longer Range, Faster Charging and More Cost-efficient

GEM's Li-ion solution is purpose-built for low speed commercial and government applications. Designed with the industry's latest technology, the Li-ion solution is fully integrated into the GEM for safety, longevity, serviceability, cost-efficiency and operation in a variety of climates and fleet applications.



3.5x

Battery Life

35%

Wider Operating Temp Range

2x

The Range with 16 kWh Pack

3x

Faster Charging

36%

More Efficient to Charge

Save over \$15,000 with Li-ion Standard in eX

GEM EVs have always been engineered to minimize maintenance and operational costs at just \$0.03 a mile to operate. But GEM's Li-ion options amplify those efficiencies, saving more than \$15,000 over the vehicle's life compared to an AGM solution. If you assume a seven-year lifespan of a GEM with AGM batteries, here is a total cost of ownership comparison of Distance AGM to an 8 kWh Li-ion pack which is standard in the eX.

	Distance AGM	8 kWh Li-ion
Acquisition Cost	\$1,580	\$4,990
Battery Replacement 1	\$5,849	-
Battery Replacement 2	\$5,849	-
Battery Replacement 3	\$5,849	-
Electricity Cost	\$2,485	\$3,360
Total	\$22,487	\$7,475

The Only Purpose-Built Li-ion Solution for LSVs

Li-ion

GEM's Li-ion system is fully integrated into the vehicle with the mission to provide GEM's Li-ion system the longest lasting, lowest cost of ownership and most reliable solution possible. That results in several advantages, including:

⚡ Long Life & Long Warranty



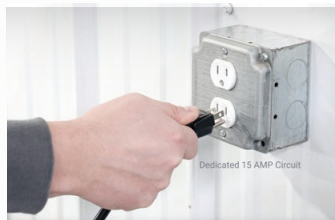
GEM's Li-ion system lasts 3.5X more than AGM thanks to the LiFePO₄ technology. That longevity is coupled with a seven-year, 2,500 charge cycle warranty for GEM owners. This allows you buy with peace of mind knowing that the factory stands behind your Li-ion GEM and will keep it running for years after you purchase it.

⚡ Opportunity Charge



GEM Li-ion vehicles can be opportunity charged without harming the battery life, meaning you can plug in for a partial charge throughout the day to get a little extra charge to extend your range.

⚡ Efficient Charging



The Li-ion GEM is ultra-efficient charging – converting 95% of power into charge for the vehicle. A typical lead acid system converts only 70% of power while charging. Li-ion GEM owners can save hundreds of dollars in electricity annually and reduce your impact on the environment by pulling 36% less power from the grid compared to lead acid systems.

⚡ All-Weather Capable



Li-ion vehicles can operate in 35% more weather than AGMs. It is engineered for thermal resiliency in extreme weather with an insulated battery pack that is also heated, which allows for operations in temperatures ranging from -20 to 140 degrees.

The Most Reliable Li-ion Technology LiFePO₄

GEM's Li-ion vehicles are designed with the industry's latest Li-ion technology in LiFePO₄. This is a safe, long-lasting and lightweight chemistry that stands for Lithium Iron Phosphate. There are several advantages to this chemistry, including:

SAFETY

Known for safety features and resistance to thermal runaway. It is made with iron, phosphate and graphite, which are less toxic to the environment than cobalt.

LIFESPAN

Experiences a longer lifespan than traditional Li-ion batteries. Even after thousands of charge cycles, LiFePO₄ technology still functions on 70%+ capacity.

CHARGING

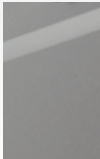

Enables rapid charging via higher charge rates and charges 95% more efficiently than lead acid.

WEIGHT

Lighter than most other Li-ion batteries, enabling a more efficient and higher payload vehicle.

Options

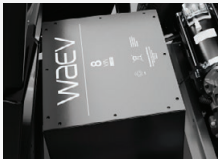
EXTERIOR COLOR



Gloss White

Matte Gray



BATTERY & CHARGER



Large Pack & Fast Chargers

16 kWh Pack (up to 125 mi range) 4 Hour Fast Chargers (available on either pack)

ROOF LIGHTING






Beacon

Light Bar

Both amber color and selectable on dash

TIRES



Street

All-Terrain


Winter

155/80 R13

165/80 R13







175/70 R13

BOX



Electric Assist Lift

CAB



Doors

HVAC

Visors

Stereo

Steering

Seat Belts

Hard, Removable, Roll-Up Windows

Heat, Defrost, AC (on HVAC model)

Driver and passenger

Rockford Fosgate 2-Speaker Stereo

Tilt and Electronic Power Steering

High Vis Orange Seat Belts

Specs

KEY SPECIFICATIONS			
Range*	44 mi (71 km) to 63 mi (101 km)	Payload Capacity	1,450 lb (658 kg)
Operating Temperatures	-20° F (-29° C) to 140° F (60° C) (Enabled via heated and insulated pack)	Towing Capacity	1,250 lb (567 kg)
Battery Life Cycles	2,000	Dry Weight	1,550 lb (703 kg)
Battery Maintenance	Maintenance free	Gross Vehicle Weight	3,000 lb (1,361 kg)
Battery Warranty	7 years (30,000 mi) - Full four-year warranty with prorated 5th, 6th, and 7th years	Rear Bed Capacity	1,250 lb (567 kg)
Charger	Onboard	Rear Bed Dimensions	40 in (102 cm) x 49 in (124 cm) x 12 in (30 cm)
Charging Compatibility	110v and public charging	Rear Bed	Composite with aluminum L track side rails and gas assisted lift
Opportuntiy Charging	Standard	Seating	2 - Adjustable sliding bucket seats
Motor	6.5 kW / 8.7 HP - 48V AC Induction	Top Speed	25 mph (40 kmh)
Drive	Rear-wheel drive with limited slip rear differential	Safety Features (standard)	Backup camera, reverse alarm, pedestrian noise emitter, lighted FNR switch, turn signals, hazard lights, side and center mounted mirrors, LED headlights and brake lights, dome light, grab handles, windshield wiper, non-slip flooring
Length x Width x Height	118 in (300 cm) x 55.5 in (141 cm) x 73 in (185 cm)	EV Features (standard)	Hill control, selectable one-pedal driving (regen braking), self-cancelling turn signals, auto vehicle shut off with key on in 5 minutes, auto stereo/light/heat/AC shut off with key off after 3 minutes
Turning Radius	167 in (424 cm)		
Ground Clearance	9.5 in (24 cm)		
Wheelbase	86 in (218 cm)		
Front Suspension	MacPherson Strut - 5.6 in (14 cm) travel		
Rear Suspension	Trailing arm with 6.5 in (15 cm) travel		
Wheels	13 X 4.5 steel		
Tires	DOT Street 155/80 R13		
Brakes	Four-wheel hydraulic disc		
Park Brake	Hand-Actuated		

*Range based on typical, average use. GEM model, driving style, payload, temperature, grade and terrain will impact range. Charge time compared to standard charger. Vehicle model and charger will impact charge time. **Full four-year warranty with prorated 5th, 6th, and 7th years. GEM LSVs comply with NHTSA Low-Speed Vehicles standards and can be operated on streets posted 35 mph or less in most of the United States. Check local laws regarding street use and vehicle equipment requirements. Drivers must be at least 16 years old with a valid driver's license. Driver and passengers should always wear seat belts. Never engage in stunt driving, and avoid excessive speeds and sharp turns. Never drink and drive. All pricing, specifications, claims, and information contained in this brochure are based on information available at the time of publication and are subject to change without notice. Waev® assumes no responsibility for any inaccuracies, opinions, or omissions in those publications or changes in pricing or specifications. Unless otherwise noted, all trademarks are the property of Waev Inc. ©2025 Waev Inc.