STAR VEHICLES





DRIVING THE FUTURE OF ELECTRIC MOBILITY

In 2003, a visionary couple, Jane Zhang and Jun Hu, set out to revolutionize personal electric transportation. Sharing a passion for innovation and sustainability, they founded Star EV in a small South Carolina workshop. This humble beginning marked the start of a remarkable journey that would shape the future of electric vehicles.

LEADING THE CHARGE IN WORLD CLASS QUALITY

Today, Star EV continues to build on this legacy. With vehicles assembled by hardworking Americans in Upstate South Carolina, our commitment to domestic manufacturing, coupled with the power of our global supply chain, ensures that every Star EV is built to the highest standards of quality and durability.

YOUR PARTNER IN FLECTRIC MOBILITY

As a Star EV dealer, you can tap into a growing market and benefit from our exceptional products and support. We offer a comprehensive dealer program designed to help you succeed. With access to our extensive vehicle product line, marketing materials, parts and accessories portfolio, and technical expertise, you can build a thriving business. Our custom capabilities allow you to build vehicles tailored to your customers' specific needs, which gives your business a competitive edge in today's market.



STREET SMART AND ROAD READY

Named for the brightest star in the nighttime sky, STAR's SIRIUS delivers stellar style, proven performance, and heavenly comfort along with excellent visibility and maneuverability. STAR builds in luxury, fun and functionality at every turn. Bright, crisp, easy-to-read LED displays and automotive lighting systems – including headlights with high beams, daytime running lights, taillights, brake lights, hazard lights, auto-cancel turn signals, and side mirrors with front-and-back signal indicators – keep you safe and looking sharp. Your valuables are secure, and your drinks and snacks stay fresh in the innovative electronic-locking trunk that does double duty as an insulated cooler. SIRIUS sets exceptionally high standards for style, performance, and fun.

CONFIGURE YOUR SIRIUS TODAY

At STAR, we know you take appearances seriously, so you deserve an electric vehicle that reflects your own personality. That's why we invite you to take every detail of your SIRIUS personally. Preview colors and accents. Pick and price features and functions. Add options and upgrades, and try on accessories. Click and change until you find the combination that feels just right. STARmaker defines and calculates costs in real time, so you can make real-world decisions.



STARS ALIGN

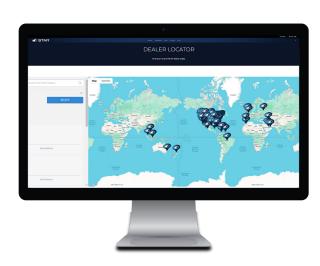
With an all-STAR lineup that has grown to include more than 50 models, STAR EV's versatile, dependable products are the preferred electric vehicle on countless university campuses, resort properties, military bases, government and commercial headquarters. With elegant styling, a comfortable ride, low maintenance and high performance, every STAR EV promises an unforgettable driving experience.

STREET LEGAL

Choosing a personal transportation vehicle that suits your lifestyle is not as easy as it looks. That's why it pays to know the rules of the road. If your plans include driving your EV on city streets, cruising your neighborhood, running local errands, picking up the kids from school or sports, or even visiting friends and neighbors, a regular golf cart just won't do.

FIND A STAR DEALER NEAR YOU

The dealer locator connects you to find your local STAR EV Dealer with highly configurable and customizable dealer locator software. Search by zip code, city/state, or automatically search by a visitor's location. Complete with integrated maps and automatic geolocation.



http://starev.com/dealer-locator







SIRIUS STANDARD FEATURES



Automobile style full color display Self-cancelling integrated





Locking insulated trunk with



Premium automotive paint and



LED headlights with daytime running lights



Independent suspension with double A-arms



QDS™ Quiet drive system with temperature protection



Corrosion resistant aluminum roof support system



10.25" Infotainment Display with CarPlay *wired speaker required



SoundExtreme SE28 Elite Soundbar

STANDARD COLORS



Aegean Blue



Carbon Flash Metallic



Indigo Blue



Light Argent Metallic



Midnight Sol

Phantom White

White Diamond Pearl

All colors are for reference only.











SIRIUS STREET LEGAL OPTION



STREET LEGAL DELIVERED

We deliver street legal low-speed vehicles (LSV). The Star street legal models are 100% compliant with current Federal Motor Vehicle Safety Standards (FMVSS). This includes the Rear Visibility Standard, Minimal Sound Standard and a Federal 14-digit VIN Number. We are also compliant with most state laws where local regulations differ from federal regulations. This ensures your customers can go from showroom -to-road legally and without any delay.



SIRIUS OPTIONAL SEATING



SEATING

Designed for style, safety and durability and engineered for stability and ergonomic support, STAR's premium seat kits invite you and your passengers to sit back, settle in, and get comfortable. Because, really, doesn't your bottom deserve top quality?



SIRIUS SPECIFICATIONS

	SIRIUS 2	SIRIUS 2+2	SIRIUS 2+2 LIFTED	
DIMENSIONS				
Overall	93" L x 47" W x 75" H (236 cm x 119 cm x 191 cm)	117" L x 47" W x 79" H (297 cm x 119 cm x 201 cm)	119" L x 51" W x 82.5" H (302 cm x 130 cm x 210 cm)	
Wheel base	66" (168 cm)	66" (168 cm)	66" (168 cm)	
Ground clearance	5.75" (14.6 cm)	5.75" (14.6 cm)	6.875" (17.46 cm)	
Wheel type	12" x 7" - 15mm Aluminum	12" x 7" - 15mm Aluminum	12" x 7" -43 mm Aluminum	
Tire size	20 x 9.0-12 DOT	20 x 9.0-12 DOT	23 x 10, 5-12 DOT	
Tire pressure	40 psi (276 kPa)	40 psi (276 kPa)	20 psi (138 kPa)	
BODY & CHASSIS				
Chassis	Welded tubular steel	Welded tubular steel	Welded tubular steel	
Body material	Plastic with Automotive paint	Plastic with Automotive paint	Plastic with Automotive paint	
Roof material	Plastic, injection molded	Plastic, injection molded	Plastic, injection molded	
Side rails	Aluminum	Aluminum	Aluminum	
POWER				
Battery system	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105	
Motor power	4 kW AC with thermal protection	4 kW AC with thermal protection	4 kW AC with thermal protection	
Controller power	48 V, 350 A	48 V, 350 A	48 V, 350 A	
PERFORMANCE				
Passengers	2	4	4	
Top speed	19.5 mph (25mph if LSV)	19.5 mph (25mph if LSV)	19.5 mph (25mph if LSV)	
Turning radius	10.5 ft (3.2 m)	10.5 ft (3.2 m)	10.5 ft (3.2 m)	
Load capacity	800 lbs (363 kg)	800 lbs (363 kg)	800 lbs (363 kg)	
Weight with batteries	1255 lbs (569 kg)	1402 lbs (636 kg)	1450 lbs (658 kg)	
Brake system	Rear Drum	Rear Drum	Rear Drum	
Drive train	Direct rear drive with 12.4:1 ratio	Direct rear drive with 12.4:1 ratio	Direct rear drive with 12.4:1 ratio	
STEERING AND SUSPENSIC	N			
Steering system	3 spoke aluminum with self-canceling	3 spoke aluminum with self-canceling	3 spoke aluminum with self-canceling	
Steering Pack	Self-compensated rack and pinion	Self-compensated rack and pinion Self-compensated rack and		
Front suspension	Adjustable coil over shock, independent	Adjustable coil over shock, independent Adjustable coil over shock, independent		
Rear suspension	Adjustable coil over shock	Adjustable coil over shock Adjustable coil over shock		

^{*} Specifications are subject to change without notification.

	SIRIUS 4	SIRIUS 4+2	SIRIUS 4+2 LIFTED		
DIMENSIONS					
Overall	123" L x 47" W x 77" H (312 cm x 119 cm x 196 cm)	140" L x 47" W x 79" H (356 cm x 119 cm x 201 cm)	142" L x 51" W x 82.375" H (361 cm x 130 cm x 209 cm)		
Wheel base	96" (244 cm)	96" (244 cm)	96" (244 cm)		
Ground clearance	5.75" (14.6 cm)	5.75" (14.6 cm)	6.875" (17.46 cm)		
Wheel type	12" x 7" - 15 mm Aluminum	12" x 7" - 15 mm Aluminum	12" x 7" - 43 mm Aluminum		
Tire size	20 x 9.0-12 DOT	20 x 9.0-12 DOT	23 x 10.5 - 12 DOT		
Tire pressure	40 psi (276 kPa)	40 psi (276 kPa)	20 psi (138 kPa)		
BODY & CHASSIS					
Chassis	Welded tubular steel	Welded tubular steel	Welded tubular steel		
Body material	Plastic with Automotive paint	Plastic with Automotive paint	Plastic with Automotive paint		
Roof material	Plastic, extended, color matched	Plastic, extended, color matched	Plastic, extended, color matched		
Side rails	Aluminum	Aluminum	Aluminum		
POWER					
Battery system	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105	8 x 6 V, Trojan T-105		
Motor power	5 kW AC with thermal protection	5 kW AC with thermal protection	5 kW AC with thermal protection		
Controller power	48 V, 450 A	48 V, 450 A	48 V, 450 A		
PERFORMANCE					
Passengers	4	6	6		
Top speed	19.5 mph (25mph if LSV)	19.5 mph (25mph if LSV)	19.5 mph (25mph if LSV)		
Turning radius	15 ft (4.6 m)	15 ft (4.6 m)	15 ft (4.6 m)		
Load capacity	1000 lbs (454 kg)	1000 lbs (454 kg)	1000 lbs (454 kg)		
Weight with batteries	1430 lbs (649 kg)	1550 lbs (703 kg)	1600 lbs (726 kg)		
Brake system	4 wheel hydraulic, front disk, rear drum, foot activated multi click parking brake	4 wheel hydraulic, front disk, rear drum, foot activated multi click parking brake			
Drive train	Direct rear drive with 12.4:1 ratio	Direct rear drive with 12.4:1 ratio	Direct rear drive with 12.4:1 ratio		
STEERING AND SUSPEN	SION				
Steering system	3 spoke aluminum 3 spoke aluminum with self-canceling with self-canceling with self-canceling				
Steering Pack	Self-compensated rack and pinion	Self-compensated rack and pinion	Self-compensated rack and pinion		
Front suspension	Adjustable coil over shock, independent	Adjustable coil over shock, independent	Adjustable coil over shock, independent		

Adjustable coil over shock

Adjustable coil over shock

Rear suspension

Adjustable coil over shock

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A SHORTCUT TO YOUR HAPPY PLACE

Round up the kids for a day at the pool or beach; drop your foursome at the tee box or 19th hole; carpool to sporting events and neighborhood gatherings; enjoy an off-road adventure, or just cruise around town to take in the local sights.

Whether you're putting, puttering or putting on the mileage, it's all in good fun with a dependable all-new STAR CAPELLA®.











CAPELLA's new digital dashboard display provides easy, at-a-glance reports on all systems, components, and conditions to enhance your driving experience. Informed by CAN bus automotive technology, CAPELLA's upgraded dashboard display keeps vital operating details in real time, in plain sight, and at your fingertips.







CAPELLA 4+2
Arctic White with black premium seats

CAPELLA STANDARD COLORS

CAPELLA color designs will enhance and suit your needs. Along with three NEW color selections you will be noticed around town and in your neighborhood.





NEW COLORS FOR 2025



ADVENTURE COMES WITH THE TERRITORY

Sure-footed and strong-bodied, the CAPELLA 2+2 LIFTED and CAPELLA 4+2 LIFTED sports an elevated ride height, ready for outdoor romps and off-road adventuring. Compact, yet spacious, and outfitted with all-terrain tires, fender flares, brush guards, bumpers, and baskets, CAPELLA pumps up the fun! In a CAPELLA, even your most challenging outdoor getaway becomes an uplifting experience. Just grab your gear, load up your friends, and head off into the wild. Your next real adventure awaits!





CAPELLA LIFTED AVAILABLE OPTION:



Clays Basket

Corral your tools, tackle, equipment, and supplies in CAPELLA's front-mount, perforated steel utility basket, especially designed and manufactured for use on lifted models.

CAPELLA STANDARD FEATURES



Digital display with turn indicators



Headlights with integrated turn signals



Stylish durable bumper



Stylish standard rims and tires



Independent suspension with double A-arms



QDS™ Quiet Drive System with temperature protection



Premium automotive paint and color-matched roof



On-board charger and tri-color indicator

CAPELLA STREET LEGAL OPTION (LSV OPTION)

When you purchase a street-legal STAR EV, you can be sure it has been street legal all along; designed, built, and equipped specifically for street-legal operation with no additions or modifications required. Your street-legal Capella is 100% compliant with current Federal Motor Vehicle Safety Standards (FMVSS).

Where state and local ordinances impose additional requirements, we partner with STAR dealers and consumers to ensure complete compliance anywhere the road leads. Built from the beginning to follow the law, your STAR EV arrives road-tested and ready to hit the streets.

KEY FEDERAL SAFETY REQUIREMENTS



Motor Vehicle Safety Standard (FMVSS) on part 565 Vehicle Identification Number. glazing materials (49 CFR § 571.205).



A windshield that conforms to the Federal A VIN that conforms to the requirements of Type 1 or Type 2 seat belts conforming



with 49 CFR § 571.209 - installed at each designated seating position.



Low-Speed Vehicles (LSV) shall comply with the rear visibility requirements specified in 49 CFR § 571.111 – Standard No. 111; Rear visibility.



An alert sound as required by 49 CFR § 571.141 - Standard No. 141; Minimum Sound Requirements for Hybrid and Electric Vehicles.



	CAPELLA 2 CAPELLA 2+2		CAPELLA 2+2 LIFTED		
DIMENSIONS					
Overall dimensions	95" L x 48.625" W x 74" H (241 cm x 124 cm x 188 cm)	124" L x 48.625" W x 79.25" H (315 cm x 124 cm x 201 cm)	124"L x 51" W x 82.5" H (315cm x 130 cm x 210 cm)		
Wheelbase	65.7" (167 cm)	65.7" (167 cm)	65.7" (167 cm)		
Front wheel track	36.7" (93 cm)	36.7" (93 cm)	40.5" (103 cm)		
Rear wheel track	39.25" (100 cm)	39.25" (100 cm)	40.5" (103 cm)		
Ground clearance	4.8" (12 cm)	4.8" (12 cm)	6.7" (17 cm)		
BODY					
Frame	Welded structural steel, powder coated	Welded structural steel, powder coated	d Welded structural steel, powder coate		
Body	Injection molded plastic with automative paint and finish	Injection molded plastic with automative paint and finish	Injection molded plastic with automative paint and finish		
Roof	Plastic, extended, color-matched	Plastic, extended, color-matched	Plastic, extended, color-matched		
POWER					
Motor	48 Volt AC, 4kW w/thermistor	48 Volt AC, 4kW w/thermistor	48 Volt AC, 4kW w/thermistor		
Batteries	6, 8-Volt deep cycle	6, 8-Volt deep cycle	6, 8-Volt deep cycle		
Lithium Batteries	80Ah	80Ah, 105Ah, 160Ah, 210Ah	105Ah, 160Ah, 210Ah		
Speed Controller	350A AC Controller	350A AC Controller	350A AC Controller		
Drive train	Direct Drive with limited slip differential	Direct Drive with limited slip differential	Direct Drive with limited slip differentia		
PERFORMANCE					
Passengers	2	4	4		
Curb weight	1105 lbs (501 kg) w/ 6 x T875 Trojan Batteries	1233 lbs (559 kg) w/ 6 x T875 Trojan Batteries	373 lbs (623 kg) w/ 6 x T875 Trojan Batteries		
Load capacity	800 lbs (362 kg)	800 lbs (362 kg)	800 lbs (362 kg)		
Turning radius	10.17 ft (3.1 m)	10.17 ft (3.1 m)	10.17 ft (3.1 m)		
Maximum speed	19.5 mph (25 mph if LSV)	19.5 mph (25 mph if LSV)	19.5 mph (25 mph if LSV)		
STEERING AND S	SUSPENSION				
Tires/Rims	10" tires with Aluminum Alloy Rim	10" tires with Aluminum Alloy Rim	12" tires with Aluminum Alloy Rim		
Steering system	Rack and pinion double output, self-compensated	Rack and pinion double output, self-compensated	Rack and pinion double output, self-compensated		
Front suspension	Double swing arm independent coil over shock	Double swing arm independent coil over shock	Double swing arm independent coil over shock		
Rear suspension	Longitudinal leaf spring + shock absorption Longitudinal leaf spring + shock absorption		Longitudinal leaf spring + shock absorption		
Service brake	ice brake Mechanical braking, rear drum Mechanical braking, rear drum Mechanical brakin		Mechanical braking, rear drum		
Parking brake	Mechanical foot parking	Mechanical foot parking	Mechanical foot parking		

CABELLA 2+2 LIETED

Specifications are subject to change without notification.

	CAPELLA 4	CAPELLA 4+2	CAPELLA 4+2 LIFTED	
DIMENSIONS				
Overall dimensions	124.75" L x 48.625" W x 76" H (317 cm x 124 cm x 193 cm)	152" L x 48.625" W x 77" H (386 cm x 124 cm x 196 cm)	152" L x 52" W x 82.5" H (383 cm x 132 cm x 210 cm)	
Wheelbase	95.3" (242 cm)	95.3" (242 cm)	95.3" (242 cm)	
Front wheel track	36.7" (93 cm)	36.7" (93 cm)	40.5" (103 cm)	
Rear wheel track	39.25" (100 cm)	39.25" (100 cm)	40.5" (103 cm)	
Ground clearance	4.8" (12 cm)	4.8" (12 cm)	7" (17 cm)	
BODY				
Frame	Welded structural steel, powder coated	Welded structural steel, powder coated	Welded structural steel, powder coated	
Body	Injection molded plastic with automative paint and finish	Injection molded plastic with automative paint and finish	Injection molded plastic with automative paint and finish	
Roof	Plastic, extended, color-matched	Plastic, extended, color-matched	Plastic, extended, color-matched	
POWER				
Motor	5kW QDS™ AC Motor	5kW QDS™ AC Motor	5kW QDS™ AC Motor	
Batteries	8, 6-Volt Deep Cycle	8, 6-Volt Deep Cycle	8, 6-Volt Deep Cycle	
Lithium Batteries	105Ah, 160Ah, 210Ah	160Ah, 210Ah	160Ah, 210Ah	
Speed Controller	450A AC Controller	450A AC Controller	450A AC Controller	
Drive train	Direct Drive with limited slip differential	Direct Drive with limited slip differential	Direct Drive with limited slip differential	
PERFORMANCE				
Passengers	4	6	6	
Curb weight	1474 lbs (669 kg) w/8 x T105 Trojan batteries	1602 lbs (727 kg) w/8 x T105 Trojan batteries	1691 lbs (767 kg) w/8 x T105 Trojan batteries	
Load capacity	800 lbs (363 kg)	1156 lbs (524 kg)	1156 lbs (524 kg)	
Turning radius	16.4 ft (5 m)	16.4 ft (5 m)	16.4 ft (5 m)	
Maximum speed	19.5 mph (25 mph if LSV)	19.5 mph (25 mph if LSV)	19.5 mph (25 mph if LSV)	
STEERING AND	STEERING AND SUSPENSION			
Tires/Rim	10" tires with Aluminum Alloy Rim	10" tires with Aluminum Alloy Rim	12" tires with Aluminum Alloy Rim	
Steering system	Rack and pinion double output, self-compensated	Rack and pinion double output, self-compensated	Rack and pinion double output, self-compensated	
Front suspension	Double swing arm independent coil over shock	Double swing arm independent coil over shock Double swing arm independent		
Rear suspension	Longitudinal leaf spring + shock absorption	Longitudinal leaf spring + shock absorption	Longitudinal leaf spring + shock absorption	
Service brake	4-wheel hydraulic brake	4-wheel hydraulic brake	4-wheel hydraulic brake	
Parking brake	Mechanical hand operated	Mechanical hand operated	Mechanical hand operated	

 $[*] Specifications \ are \ subject \ to \ change \ without \ notification.$

LITHIUM BATTERIES

WHICH BATTERY IS RIGHT FOR YOU?

The actual distance you can travel in an electric vehicle is determined by the load you put on the electric motor. Larger and heavier cars will use more energy. Lifted vehicles will use more energy because of the additional weight and larger tires. Adding passengers and uneven terrain will increase the load on the motor. The opposite is true as well. If you lighten the load on the vehicle, it will travel farther. The following ranges are based on a 2-passenger vehicle traveling on flat ground.

LITHIUM-ION BATTERY LIMITED WARRANTY

The warranty period of a STAR Smart Lithium battery is 6 years + 6 months from the date of manufacture. In addition to the product warranty, STAR guarantees the performance of the product to be at least 60% of the initial battery's capacity for a period of 6 years + 6 months, provided that the usage of the product shall have complied with the operating conditions under specification.

CAPACITY MEASUREMENT CONDITION

- · Ambient temperature: 77°-86°F (25°-30°C)
- · Initial battery temperature from BMS: 77°-86°F (25°-30°C)
- · Charging/discharging method
 - Charge: (0.2) CC/CV
 - Discharge: (0.2) CC *
 - Current at (0.2) C Current and voltage















LITHIUM





WHY SMART LITHIUM BATTERIES

GET THE LEAD OUT

Old-fashioned lead-acid batteries are a waste of time and energy. Pick up the pace with powerful premium lithium batteries, the smart choice, from STAR, the EV industry leader.

ROBUST PERFORMANCE

From full charge to discharge, STAR Smart Lithium batteries deliver higher peak power for improved speed and acceleration. You get full power for longer drive distance with no



LITHIUM SOLUTIONS

HIGH CAPACITY, LONG LIFE

Maintenance-free STAR Smart Lithium batteries take a charge, hold a charge, and recharge 3,000+ times. With a low self-discharge rate, STAR batteries provide months of worry-free storage. The Android and iPhone Smart Lithium app monitors battery usage, voltage, and temperature right from your phone. You can also connect your battery to your home wi-fi for proactive monitoring and software updates. STAR Smart Lithium batteries will always be ready when you are.



PLUG AND PLAY UPGRADE

SEAMLESS

- All-inclusive lithium upgrade kit for easy Plug-and-Go installation
- · Integrated on-board fast-charge system
- Built-in digital battery management and monitoring system with app controls
- Maintains manufacturer warranty when installed as a STAR vehicle upgrade

SOLID

- · Authorized solution that retains factory fail-safe features
- Detailed technical documentation includes step-by-step installation instructions, visual guides and how-to videos

RELIABLE

- STAR's US-based support teams are available by phone and email for installation, technical and warranty guidance
- Aftermarket upgrade kits are available now for most EV models, ready for immediate shipment



2CH020 - Charger Lester Summit II 48V, 1050W, 22A, universal AC with cord for STAR Lithium Battery.

2BT287, 2BT288 or 2BT289, 2BT290



2MT223 - Battery indicator, meter with 10 LED bars AND wire harness.

2SW800 or 2MT800



2CR910 - AC Charger Cord with Yeeda Plug for SIRIUS or Capella 110V or Classic. **2BI805**, **2CB800**



2CR020 - Harness for Lithium On-Board chargers for 2CH020 charger



2BT800 - Battery Mounting plate and hardware **2BT801**



2RC080 - AC 110V Charger Receptacle with cord for ON BOARD Chargers only.

2CH913, 2CH917, 2CH918

LITHIUM BATTERY PACKAGES

	VOLTAGE	125Ah	80Ah	105Ah	160Ah	210Ah	230Ah	460Ah
36V	STAR CLASSIC 36V	~						
	STAR SIRIUS 48V		~	~	~	~		
	STAR CAPELLA 48V		~	~	~	*		
	STAR CLASSIC 48V		~	~	~	✓		
48V	STAR SPORT 48V		~	\	~	✓		
	EZGO RXV 48V		~	~				
	EXGO TXT 48V		~	~	~			
	YAMAHA DRIVE II 48V		~	~				
	CLUB CAR ONWARD 48V		~	~				
72V	STAR BUSES 72V						*	~

EACH PACKAGE INCLUDES: Charger, harness, state of charge meter, plug, receptacle, and all mounting plates and hardware. *Not all components are needed for every solution.



STAR EV Corporation is headquartered in Greenville, South Carolina and manufactures street legal low-speed electric vehicles. We strive every day to deliver exceptionally engineered world class electric vehicles, providing comfort, safety and a superior driving experience.

