

STYLE. PERFORMANCE. FUN.

SIRIUS



SIRIUS 2+2
INDIGO BLUE

 **STAR**[®]

A row of modern, colorful golf carts (red, blue, and green) parked on a paved area next to a building. A palm tree is visible on the left.

RETHINK YOUR RIDE



SIRIUS 4+2
PHANTOM WHITE



SIRIUS 4+2
CARBON FLASH METALLIC

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.



<http://starev.com/build>

SIRIUS STANDARD FEATURES



Automobile style full color display



Self cancelling integrated turn signals



Locking insulated trunk with drainable cooler



Premium automotive paint and color matched roof



LED headlights with daytime running lights



Independent suspension with double A-arms



QDS™ Quiet Drive System with temperature protection



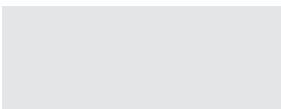
Corrosion resistant aluminum roof support system



Carbon Flash Metallic



Ocean Mist Metallic



Phantom White



Torch Red



Indigo Blue



Light Argent Metallic



White Diamond Pearl

All colors are for reference only.



SIRIUS 4+2
TORCH RED



SIRIUS 2



SIRIUS 2+2



SIRIUS LIFTED



SIRIUS 4



SIRIUS 4+2





SIRIUS CLIMBING AT ITS BEST.

SIRIUS LIFTED is the luxury EV that lets you live it up with a lot of style and a bit of swagger. Trail ready and street legal, SIRIUS LIFTED is clearly a power play. Because that's just how we roll.

SIRIUS LIFTED 2+2
LIGHT ARGENT METALLIC

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 comfy. Because, really, doesn't your bottom deserve top quality?



PREMIUM PLUS



PREMIUM



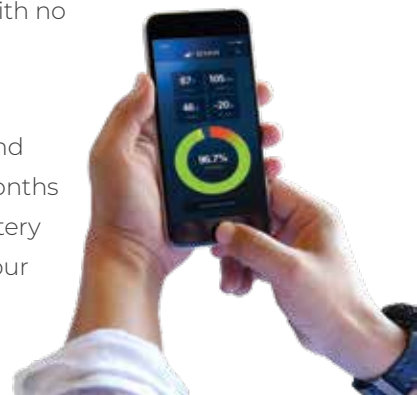
LITHIUM BATTERY OPTIONS

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 sacrifice in vehicle performance.

HIGH CAPACITY, LONG LIFE

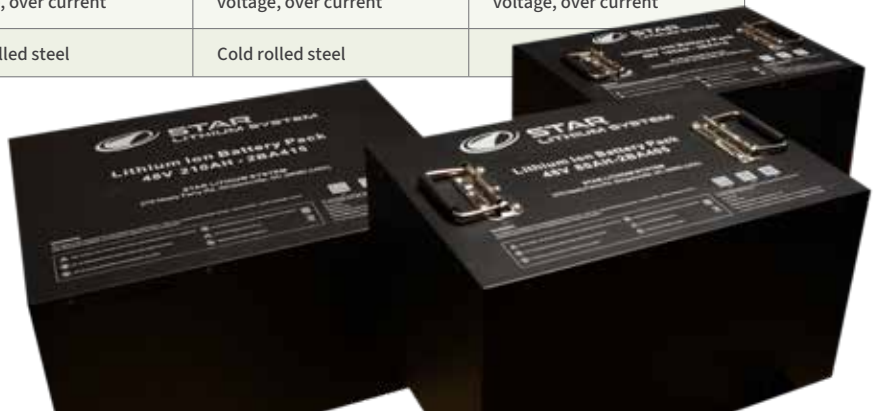
Maintenance-free STAR Smart Lithium batteries take a charge, hold a charge, and recharge 3,000+ times. With a low self-discharge rate, STAR batteries provide months of worry-free storage. The Android and iPhone Smart Lithium app monitors battery usage, voltage and temperature right from your phone. You 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.



LITHIUM BATTERY SPECIFICATIONS

BATTERY	80 AH	105 AH	210 AH
Part Number	2BA405	2BA410	2BA415
2 Passenger Flat Ground Estimated Range*	15-25 Miles (24-40km)	30-40 Miles (48-64 km)	50-80 Miles (80-129 km)
Nominal voltage	48 Volt	48 Volt	48 Volt
Nominal capacity	80 AH	105 AH	210 AH
Stored energy	3.84 kWh	5.04 kWh	10.08 kWh
Self discharge	<5% per month	<5% per month	<5% per month
Max Continuous Discharging Current	105 A	105 A	200 A
Max Discharge Current (10 sec)	350 A	350 A	480 A
Standard charging time	3-4 hours	5-6 hours	9-10 hours
Communication	CAN2.0B and RS485	CAN2.0B and RS485	CAN2.0B and RS485
Dimensions and Weight	17.5" x 12.2" x 9.8" (445 x 310 x 250 mm) 88 lbs (40 kgs)	18" x 13.4" x 9.8" (460 x 340 x 250 mm) 90 lbs (41 kgs)	21" x 18" x 9.8" (539 x 454 x 250 mm) 198 lbs (90 kgs)
Recommended operating temperature range	Discharge: -20-60 °C Charge: 0-45 °C	Discharge: -20-60 °C Charge: 0-45 °C	Discharge: -20-60 °C Charge: 0-45 °C
BMS Protections:	cell-level voltage temp over voltage, under voltage, over current	cell-level voltage temp over voltage, under voltage, over current	cell-level voltage temp over voltage, under voltage, over current
Casing material	Cold rolled steel	Cold rolled steel	

* Different passenger configurations and terrain will affect maximum travel distance.



SIRIUS SPECIFICATIONS

	SIRIUS 2	SIRIUS 2+2	SIRIUS 2+2 LIFTED
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 SUSPENSION			
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 pinion
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
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	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 SUSPENSION			
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 pinion
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.



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.

