



# STAR

style. performance. fun.





# SIRIUS<sup>®</sup>

Let SIRIUS drive your unforgettable fun and adventure



# STAR





Sirius 2+2

with premium seats and custom wheel upgrade



Sirius 4+2

with premium seats and custom wheel upgrade



# OFF ROAD CAPABILITIES

Sirius Lifted 2+2 gets you both ON and OFF ROAD easy!



**Sirius 2+2 Lifted**  
Carbon Flash Metallic with premium seats



**Sirius 2+2 Lifted**  
with brush guard



**Sirius 2+2 Lifted**  
flip seat with premium cushions

# SIRIUS

SIRIUS is different by design. With more included features, more innovation, and more value, it's not hard to see what makes SIRIUS first in class. Check out some of the Features and Upgrades STAR has to offer.

## FEATURE

Aluminum roof supports for maximum strength and provides the best corrosion resistance.

## UPGRADE

Premium front seat and back flip seats with cup holders for extra style and comfort.

## FEATURE

Strong AC motor paired with eight 6V batteries for extended range. The prescription to end Range Anxiety Disorder.

## FEATURE

QDS™ Drive System which conquers hills faster and quieter.

## UPGRADE

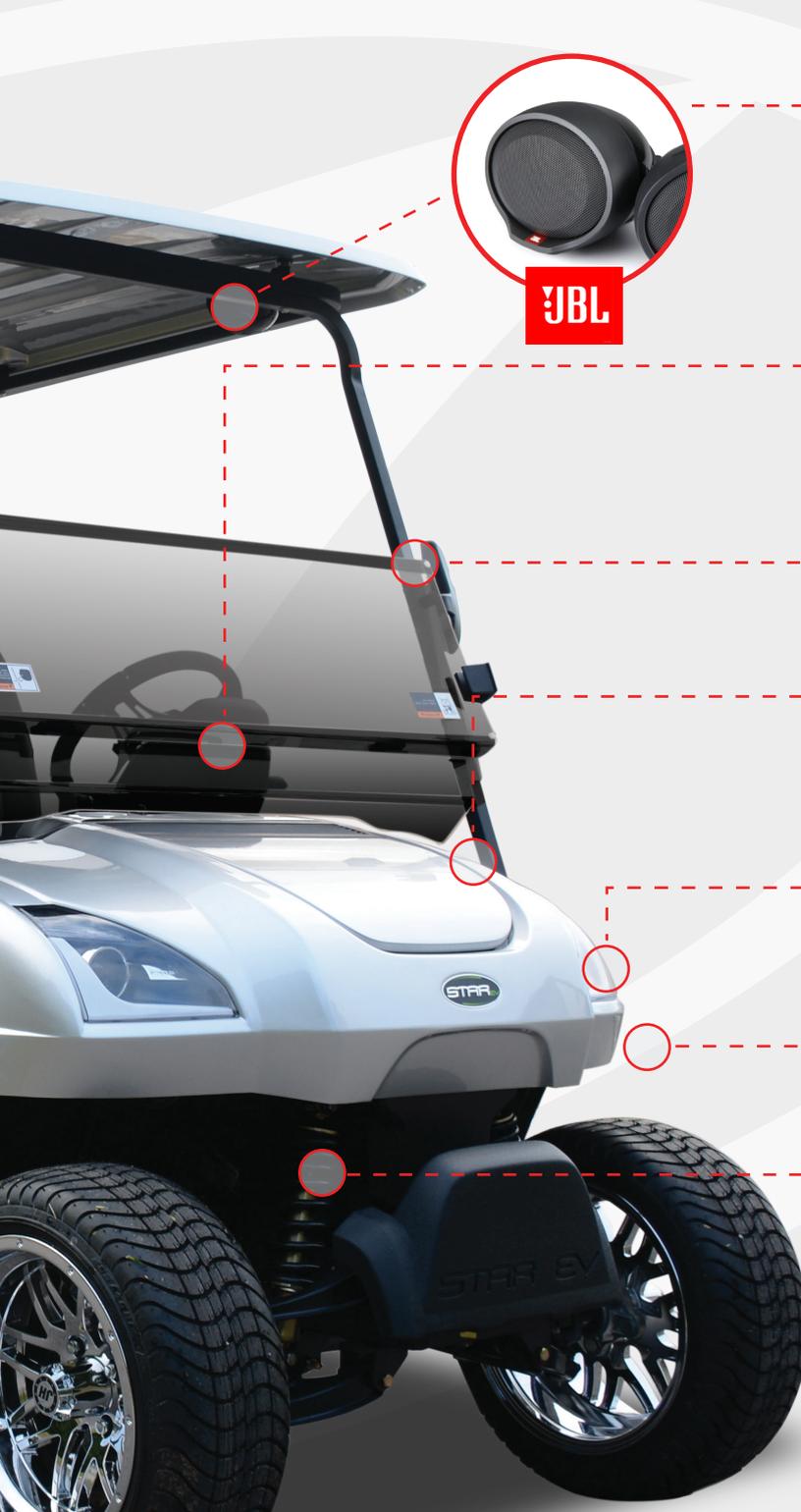
Custom wheel and tires upgrades on all SIRIUS models.

## UPGRADE

Lithium battery options for easy maintenance.



**STAR**  
style. performance. fun.



**UPGRADE**

The Bluetooth JBL Cruise speakers allows you to enjoy legendary JBL performance while driving your STAR EV vehicle.

**FEATURE**

Auto-style full color display which delivers easy-to-read critical status and operational information.

**FEATURE**

Clear or tinted folding windshield.

**FEATURE**

Optimized storage including locking front trunk and glove box for convenience and organization.

**FEATURE**

Custom designed street LED which BOOST visibility.

**UPGRADE**

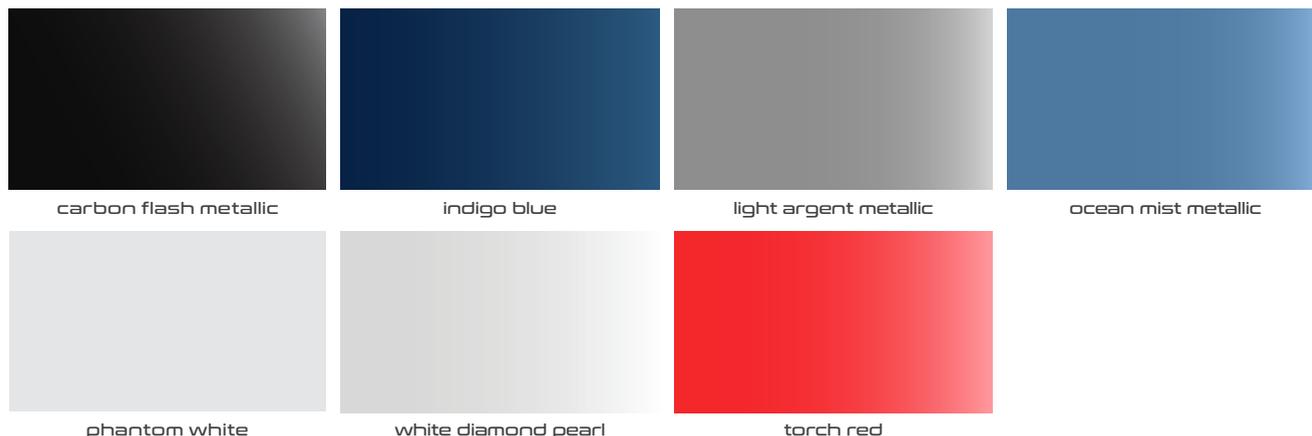
LSV-street legal on roads up to 25 mph

**FEATURE**

Race-inspired chassis and double wishbone independent suspension for Superior ride performance.



## STANDARD COLORS



## FEATURES AND UPGRADES

### VEHICLE STANDARD FEATURES

Four year limited warranty, two year bumper-to-bumper warranty (less wear items) *	LED headlights with high beams, taillights, brake lights, self-canceling turn signals, daytime running lights, reverse light.	Detailed full-color display: speedometer, odometer, and battery indicator (back-up camera ready)
Rear view mirrors with turn signal indicators on both sides	Electronic locking front trunk	Eight 6V (48V) batteries, 6x8V Trojan 875 Batteries on the Sirius 2P and 2+2. T105's are only available on the long cars.
QDS™ Drive System	USB 12V standard accessory outlet	Adjustable seat backs
Curtis AC controller with custom programming	Console with ambient dash lighting	Lockable glove box door
Horn and reverse beeper	Folding tinted windshield	High / Low speed switch

### OPTIONAL EQUIPMENT

Sirius Unique Key	Industrial LED strobe light	2-in-1 combo seat
Illuminated license plate holder	Back-up camera	Custom paint
LSV (NEV) street legal package	Premium seats	Club protector
14" tires and rims	Enclosures	Black onyx roof with triple track system for Sirius 2+2 and above
Mud Flaps	Sirius one piece windshield	
Wiper (one piece glass windshield required)	Rear LED brake light bar	

\* See printed warranty in the SIRIUS® Owner's Manual for details.

\* The product images shown are for illustration purposes only and may not be an exact representation of the product.

---

## Secure your items

Keep personal items secure with a locking trunk that doubles as a drain-able cooler. Spend more time enjoying the ride with comfort and convenience.

---



---

## Enjoy a beverage

Enjoy a beverage without worrying about spills with accessible and sturdy drink holders.

---



---

## Safety is measured

More safety features than any other PTV. Enjoy the safety and luxury of self-canceling turn signals and ambient interior lighting.

---



---

## Ergonomic control

Enjoy your experience with the seamless functionality and display of the automotive like controls.

---





### **Great illumination**

Equipped with day time running lights.



### **High level suspension and chassis**

For both on or off road capabilities enjoy the durability of the racing inspired suspension and chassis.



### **Speed controls**

Choose your desired speed with forward, reverse, slow and fast speed controls.



### **Secure valuables**

Keep your valuables safe with this secured lock and key dash.



# STAR

## Lithium Battery Powered

Experience the powerful STAR Lithium Battery System, maintenance free with zero emissions with 100% full power till discharge offering no decline in performance and a built in battery management system for the entire pack, including live monitoring battery status and support to display on the mobile app.



Lithium Ion Battery Pack  
48V 105AH - 2B4M11

STAR LITHIUM SYSTEM  
378 Neely Ferry Rd, Simpsonville, SC

For instructions, only use recommended battery charger, see the BMS (Battery Management System) label for more information.  
Do not use for anything other than intended purpose.  
Do not use in temperatures below 0°C or above 40°C.  
Do not touch, remove, or connect any wires or terminals.  
Do not use for anything other than intended purpose.  
Keep out of the reach of children.

**WARNING**  
This battery pack contains lithium-ion cells. It is a Class 2 hazardous material. It is flammable and can catch fire. It can release toxic fumes if it is damaged or disposed of incorrectly. It should be disposed of in accordance with local, state, and federal regulations. Do not dispose of this battery pack in the trash. For more information, see the BMS (Battery Management System) label for more information.



# Specifications

STAR Model	Sirius 2 and 2+2 Capella 2 and 2+2	Sirius 2, 2+2 and 2+2 Lifted Capella 2 and 2+2	Sirius / Capella All Models
Technical Specifications	80AH	105AH	210AH
Part Number	2BA405	2BA410	2BA415
Estimated Range (2P-flat ground)	20-30 Miles (32-48 km)	30-45 Miles (48-72 km)	70-80 Miles (113- 129 km)
Nominal voltage	48 Volt	48 Volt	48 Volt
Nominal capacity	80AH	105AH	210AH
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	105A	105A	200A
Max Discharge Current (10 sec)	350A	350A	480A
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
Weight and Dimensions	17.5" x 12.2" x 9.8" (445 x 310 x 249 mm) 88 lbs (40 kgs)	18" x 13.4" x 9.8" (457 x 340 x 249 mm) 90 lbs (41 kgs)	21" x 18" x 9.8" (533 x 457 x 249 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	Cold rolled steel

\*The product images shown are for illustration purposes only and may not be an exact representation of the product.

	<b>SIRIUS 2</b>	<b>SIRIUS 2+2</b>	<b>SIRIUS 2+2 LIFTED</b>
<b>DIMENSIONS</b>			
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)
<b>BODY &amp; CHASSIS</b>			
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
<b>POWER</b>			
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 Curtis	48 V, 350 A Curtis	48 V, 350 A Curtis
<b>PERFORMANCE</b>			
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
<b>STEERING AND SUSPENSION</b>			
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.*

	<b>SIRIUS 4</b>	<b>SIRIUS 4+2</b>	<b>SIRIUS 4+2 LIFTED</b>
<b>DIMENSIONS</b>			
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)
<b>BODY &amp; CHASSIS</b>			
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
<b>POWER</b>			
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 Curtis	48 V, 450 A Curtis	48 V, 450 A Curtis
<b>PERFORMANCE</b>			
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
<b>STEERING AND SUSPENSION</b>			
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

## BRAND VISION

**STAR**, headquartered in Greenville SC (USA), is a well-engineered, high performance low-speed electric vehicle that delivers an unforgettable driving experience.

**STAR** is built for people first with the most powerful drive system in its class.

**STAR** has a modern automotive, customer inspired, ergonomic design that allows you to customize your driving style to your personal preference.

**STAR** electric vehicles are engineered to fit your lifestyle. Whether on the road or the golf course, the vehicles are designed and manufactured with every detail purposefully planned for comfort and performance.

**STAR** offers extraordinary styling, state of the art technology and automotive components providing exceptional value and best in class safety features.

**STAR** has more amenities than any other low speed vehicle, making it a perfect Eco-Friendly driving choice, offering an amazing opportunity for a day of fun and laughs that will create memories for a lifetime.

## BRAND PURPOSE

To deliver world class electric vehicles, providing comfort, safety and a superior driving experience.



## STAR EV CORPORATION

378 Neely Ferry Road, Simpsonville, SC 29680 (USA)  
Toll Free: (888) 878-9988 [www.starev.com](http://www.starev.com)

© 2021 STAR EV CORPORATION



2MM274