



*A revolutionary, lightweight, pure electric sedan designed to bring EVs into the 21st century while meeting all Zero Emission Vehicle and Federal Motor Vehicle Safety Standards.*

The *Sunrise* features a monocoque composite-based structure and offers sleek aerodynamic styling, a state-of-the-art AC Induction drive system, and a driving range of 120 miles (200 km) per charge using advanced lead acid batteries. Substantially enhanced range is expected with the introduction of improved battery technology.

The *Sunrise* provides all of the standard amenities and options expected in a world-class sedan, including power brakes, AM/FM stereo, dual air bags and cruise control. Additional attributes are automatic battery thermal management for winter driving, highly efficient electric air conditioning/heating, and a sophisticated onboard battery charging and monitoring system. The *Sunrise* also includes features unique to Solectria's EVs, such as a Power Saver® control, a digital amp-hour meter, and an array of other technologies developed by Solectria to make EV driving safe, reliable, cost-effective and fun.

The development of the *Sunrise* by Solectria is a Northeast Alternative Vehicle Consortium (NAVC) project co-funded by the Advanced Research Projects Agency (ARPA) and by the Boston Edison Company. Other technology partners have joined in this on-going effort which is now focusing on improved vehicle safety and design for manufacturing (DFM) research.

Building on the international success of the *Force* sedan and the *E-10* pickup truck, Solectria Corporation of Wilmington, Massachusetts has achieved an enviable reputation as a leader in the development of electric vehicle and EV component technology. Over the past six years, vehicles built by Solectria or using Solectria components have consistently achieved top honors for efficiency, range and performance.



SOLECTRIA CORPORATION

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## Sunrise Specifications

System Power	42 kW nominal/50 kW peak AC Induction Direct-Drive with Regenerative Braking
Gradability	20%
Curb Weight	770 kg (1694 lb)
Payload	310 kg (682 lb)
Gross Vehicle Weight	1080 kg (2376 lb)
Passengers	4
Airbags	2
Doors	2
Heat/Defrost	Maintains 20° to 25°C (68° to 77°F) at -10° to 35°C (14° to 95°F) ambient temperature
Wheelbase	277 cm (109 in)
Track F/R	152 cm (60 in)/132 cm (52 in)
Length	467 cm (184 in)
Width	188 cm (74 in)
Ground Clearance	18 cm (7 in)
Cabin Height	112 cm (44 in)
Brakes	Front and rear hydraulic disk brakes
Tires	Low rolling resistance
Range at 85 km/hr (53 mph) with:	
- Sealed Lead Acid Batteries	200 km (120 mi)
- Ovonic Nickel Metal Hydride Batteries	330 km (200 mi)
Acceleration:	
0-48 km/hr (0-30 mph)	6 sec
0-97 km/hr (0-60 mph)	17 sec

FOR MORE INFORMATION  
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