

The Solectria Force at a Glance



For a vehicle that combines advanced technology and energy efficiency with reliability and ease of use, there is simply no choice other than the Solectria Force.

Technology

All models of the Force use high-efficiency brushless motors with regenerative braking. Our motors and motor controllers operate together at efficiencies above 90 percent. The Force used only 210 watt-hours per mile in extensive road-testing by Southern California Edison, and only 140 watt-hours per mile traveling at a constant 35 mph in testing at the American Tour de Sol!

Solectria's engineers design all of the technologically advanced components used in our vehicles. We have engineered and manufactured advanced AC and DC drive systems to meet a variety of specialized applications, and now have components in use in vehicles ranging from light-weight solar race cars to 22-passenger electric transit buses.

Handling

The Force has been designed for superb handling, thanks to its new Geo Metro body which boasts one of the smallest turning radii of any vehicle. A problem with most electric vehicles is weight; other manufacturers tend to load a vehicle down with batteries and usually exceed the gross vehicle weight of the body they use. The Force, on the other hand, weighs between 2050 and 2150 pounds depending on the model, and remains between 300 and 400 pounds below the Metro's gross vehicle weight. Batteries have been divided between the front and rear to optimize handling, resulting in a vehicle that is light and easy to handle, with the feel of a conventional gasoline-powered car.

Ease of Use

The two models of the Force which come with Lead Acid batteries, and the Force GT, our flagship Nickel Cadmium model, all feature automatic transmission with push-button Forward-Reverse control. Anyone with prior driving experience can learn how to operate the Force in minutes.

As it draws only 10 amps, charging the Force is as simple as attaching an extension cord to a plug located in the gas cap and plugging it into any household outlet!

The Force models with lead acid batteries come standard with an on-board 110V AC charger, which will fully recharge the car in eight hours. We also offer a 110V supercharger option (requiring a 20 amp circuit) that will completely charge the car in four hours. Our newly redesigned charger is totally automatic, turning on when charging is needed, and shutting off automatically when the batteries are fully charged.

The Force with nickel-cadmium batteries features a lightweight on-board, fully automatic 220V charger. An electric heater comes as standard equipment in all models of the Force.

Options

Solectria believes that the consumer should not have to sacrifice creature comforts when driving an electric vehicle. Beyond our impressive standard features, we offer a wide array of optional equipment including air conditioning, an AM-FM stereo radio, power brakes, and cruise control. Also available are hood- and roof-mounted solar panel systems for additional range.

Support

Solectria is committed to providing a high level of service to its customers. We offer both a one year and three year limited warranty. Because all of the electric components in the vehicles are designed and built by Solectria, our engineers can answer all of your technical questions and concerns.



The Solectria Force: A Proven Track Record

Since its introduction in 1991, the Solectria Force has had an unprecedented record of performance. In testing on the race track, on the road, and in the lab, the Force has repeatedly proven its capabilities.

- Solectria swept the two major electric vehicle races in the country in 1992 and 1993, and is well on its way to repeating this success in 1994. The Force has taken first place in the Electric Stock Division of the Arizona Public Service Electric 500 in Phoenix, AZ for the past three years. In May 1993, it dominated the competition at the American Tour de Sol in New England, taking top honors for the fourth year in a row. At this event, the Force RS, a modified racing version of the Force, traveled 180 miles on a single charge!
- Forces are now on the road in sixteen states and in four countries, primarily as part of electric utility fleets. Our customers include Arizona Public Service, Boston Edison, Nevada Power Company, Northern States Power, Orcas Power & Light, Pennsylvania Power & Light, Potomac Electric Power Company, the City of Riverside, the Sacramento Municipal Utility District, Southern California Edison, and Virginia Power. Many of our customers are repeat customers. Our largest utility customer, Boston Edison, owns a fleet of eleven Forces.
- Solectria was chosen by the Commonwealth of Massachusetts' Division of Energy Resources to provide twenty Force vehicles for its Electric Vehicle Demonstration Program, the first of its kind in the country. Solectria was also selected by both the Mid-America Electric Vehicle Consortium and the Northeast Alternative Vehicle Consortium to provide electric pickup trucks for military base EV demonstration programs. Fourteen Solectria E-10 Fleet Pickups will be built for bases in Michigan and Indiana, and six will be produced for Hanscom Air Force Base in Massachusetts.
- In testing by the California Air Resources Board on a Federal Urban Driving Schedule, the Force completed twice as many miles as its nearest competitor. The Air Resources Board had this to say:

"The heart of the Force is in the controller, motor and charger. Developed by Solectria, these components combine high efficiency with low weight to produce an EV with the most impressive range and performance characteristics of any currently available production EV of which ARB is aware."

- Solectria is the only private company selected by the California Energy Commission to participate in their Advanced Electric Vehicle Demonstration Program. Unlike the three other companies chosen (Ford, Chrysler, and Volkswagen), Solectria offers a product that is both affordable and in regular production.

THE SOLECTRIA FORCE



Model	Base Price
Four-Seat, Automatic Transmission FORCE, 60 mile range	\$26,050.00
Two-Seat, Automatic Transmission FORCE, 70 mile range	\$28,280.00
Two-Seat, Automatic Transmission NICAD FORCE GT, 100 - 120 mile range	\$59,350.00
Options	
Radio - AM/FM stereo with seek/scan and digital clock	\$450.00
Air Conditioner with CFC-free refrigerant - 7300 btu	\$2,700.00
Car Roof & Hood Mounted Solar Panel System -180W	\$2,980.00
Car Roof Mounted Solar Panel System - 108W	\$2,190.00
Super Charger - 110V, four hour fast charge (for lead acid models)	\$850.00
- 220V, four hour fast charge (for NiCad model)	\$2,870.00
Power Saver Control - maximizes range and battery life	\$280.00
Additional Dash Mounted Gauges (Ampere-Hour Counter is standard)	
● Low Battery Pack Warning Light	\$290.00
● Voltmeter - Analog	\$290.00
● Ammeter - Analog	\$290.00
Cruise Control - provides constant speed	\$290.00
Power Assist Brakes	\$250.00
Premium Lead Acid Battery Option - Sealed, Maintenance-free	\$720.00
Automatic Battery Thermal Management System - for top cold climate performance	\$1170.00
Technical Orientation Session - full-day training on operation and maintenance	(varies)

Payment Terms: 50% deposit; 50% upon delivery. Warranty charges apply outside service territory. Prices subject to change without notice. Please request a written quote.

Delivery: Approximately 60 - 90 days after order is placed with down payment.

Call for pricing on our new Electric Pickup Truck, the Solectria E-10!

SOLECTRIA CORPORATION
68 INDUSTRIAL WAY
WILMINGTON, MA 01887
USA

508-658-2231
FAX 508-658-3224