

Impact





The PrEView_{sm} Drive Program

■ In summer 1994, General Motors began a 2-year demonstration program called the PrEView_{sm} Drive, a market research effort unique in the automotive industry. Thirty electric vehicles are being deployed in 12 regional markets throughout the United States.

■ In collaboration with 15 utility companies, GM will provide electric vehicles to approximately 1000 potential customers to test drive for periods of either two or four weeks.

■ After the program is complete, potential customers will better understand electric vehicle capabilities, GM will learn more about customer expectations, and each utility will learn more about the infrastructure required to support electric vehicle charging in their specific market region.

The Vehicle

■ The car includes all of the features customers have come to expect from their gasoline-powered vehicles, such as: ABS, dual air bags, cruise control, compact disc player, plus many other driving comforts.

■ This energy efficient 2-door coupe comfortably holds 2 passengers and is designed to comply with all applicable vehicle standards.

■ A computer-controlled AC induction motor, combined with powerful lead-acid batteries, provides instantaneous throttle response, smooth, shift-free acceleration and a quiet idle.

■ A solar reflective windshield and an electric heat pump ensure ultra-efficient passenger compartment climate control.

■ The ultra-lightweight aluminum structure provides optimum strength and energy efficiency.

■ The lightweight composite body panels provide a corrosion-free and dent-resistant exterior.



Printed on recycled paper using soy-based inks and a biodegradable coating.

IMPACT SPECIFICATIONS

PERFORMANCE

Range at 85% Depth of Discharge	EPA City	70 miles
	Highway	90 miles
0 - 60 mph Acceleration		8.5 seconds
Top Speed (Electronically Regulated)		80 mph
Charge Time from 85% Depth of Discharge (Using 220 volt, 6.6 kW charging equipment)		2 to 3 hours

DIMENSIONS

Length	169.8 inches
Width	69.3 inches
Height	50.5 inches
Wheelbase	98.9 inches
Drag Coefficient	0.19
Curb Weight	2970 pounds

SPECIAL FEATURES

- 137 Horsepower Three-Phase AC Induction Motor
- 16.8 kWh Maintenance-Free Lead-Acid Battery Pack - 312 volts
- Electric Motor-Driven Heat Pump Climate Control System
- Inductively Coupled Charging Systems:
 - Standard Charger (220v, 30 amp)
 - Convenience Charger (110v, 12 amp)
- IGBT Power Inverter Module - 102 kW
- Electro-Hydraulic Power Steering
- Electro-Hydraulic Braking System
- Blended Regenerative Braking
- Rigid, Welded and Bonded Aluminum Alloy Body Structure
- Low Inflation Tire Monitor
- High-Voltage Isolation Assurance

STANDARD FEATURES

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|------------------------------------|------------------------------|
| ■ Dual Air Bags | ■ AM-FM/Cassette/CD |
| ■ Anti-Lock Braking System | ■ Electricclear Windshield |
| ■ Traction Control | ■ Solar Glass |
| ■ Low Rolling Resistance Tires | ■ Dual Power Outside Mirrors |
| ■ Aluminum Wheels | ■ Cruise Control |
| ■ Double Wishbone Front Suspension | ■ Power Door Locks |
| ■ Scotchgard Seats | ■ Power Windows |

