### VEHICLE TYPE
Conversion Of: Geo Metro
VIN: 2CIMR5299567000106
Seating Capacity: 4 Adults
Features: AM/FM Radio, Heater, Battery Thermal Management, Power Steering, Power Brakes, Front Wheel Drive, Front Disc Brakes & Anti-Lock Brakes

### DIMENSIONS
- Wheelbase: 93.0 inches
- Track F/R: 55.0/53.9 inches
- Length: 164.3 inches
- Height: 54.5 inches
- Ground Clearance: >50 mm
- Cargo Space: No Intrusion on OEM Space

### WEIGHT
- Curb Weight: 2290 lbs
- Test Weight: 2424 lbs
- Distribution F/R: 49/51 %
- Conversion GVWR: 2800 lbs
- OEM GVWR: 2800 lbs
- Payload: 376 lbs

### WHEELS & TIRES
- Wheel Size: 13 inches
- Tire Mfg: Goodyear Invicta
- Tire Size: P165/70R13
- Tire Pressure F/R: 44/44 psi
- Spare Installed: No

### DRIVE SYSTEM
- Drive Type: 35 kW AC Induction
- Motor Mfg: Solectria
- Controller Mfg: Solectria
- Transmission: Single Speed

### BATTERY
- Manufacturer: Hawker Energy
- Type: G12V26Ah10C Sealed Lead Acid
- Number of Modules: 30
- Total Traction Voltage: 180 volts
- Battery Pack Weight: 690 lbs
- Locations In Vehicle: Under Trunk & Engine Compartment

### INTERLOCKS
- Key Removable When Off Only: Yes
- Key Off In Park Only: Yes
- Start In Park Only: Yes
- Start Blocked By Accelerator: No
- Start Blocked On Charge: Yes

### REQUIREMENTS
- Manual Disconnect Present & Operational: No
- Batteries Sealed or Valve Regulated: Yes
- Charger Automatic Control: Yes
- SOC Indicator: Yes
- Battery Voltage Indicator: No
- Battery Current Indicator: No
- Regenerative Current Indicator: No
- Transmission Single Speed: Yes
- Transmission Parking Pawl: Yes
- All High Voltage Clearly Marked: Yes
- Control Efforts Similar To OEM: Yes

### TEST EXCEPTIONS
- Prototype vehicle
- Payload 324 lbs less than required
- Required charger adjustment
- Required battery module replacement

### PERFORMANCE STATISTICS

#### ACCELERATION AT 90% SOC
- Zero to 30 mph: 8.5 sec
- Zero to 40 mph: 12.6 sec
- Zero to 50 mph: 18.4 sec
- Zero to 60 mph: 27.0 sec
- Performance Goal: 13.5 seconds; 0 to 60 mph

#### ACCELERATION AT 50% SOC
- Zero to 30 mph: 9.4 sec
- Zero to 40 mph: 14.2 sec
- Zero to 50 mph: 21.5 sec
- Zero to 60 mph: 34.1 sec
- Performance Goal: 13.5 seconds; 0 to 60 mph

#### MAXIMUM SPEED
- At 50% SOC: 70 mph
- Performance Goal: 70 mph

#### CONSTANT SPEED RANGE
- 45 mph Distance: 49.5 miles
- 45 mph Energy Used: 7.2 kWh
- 45 mph Efficiency: 0.154 kWh/mile
- 45 mph Specific Energy: 0.0104 kWh/lb
- 60 mph Distance: 26.6 miles
- 60 mph Energy Used: 5.3 kWh
- 60 mph Efficiency: 0.199 kWh/mile
- 60 mph Specific Energy: 0.0077 kWh/lb

#### DRIVING CYCLE RANGE
- 77°F Distance: 45.4 miles
- 77°F Energy Used: 7.77 kWh
- 77°F Efficiency: 0.145 kWh/mile
- 77°F Specific Energy: 0.0113 kWh/lb
- 19°F Distance: 43.5 miles
- 19°F Energy Used: 7.75 kWh
- 19°F Efficiency: 0.178 kWh/mile
- 19°F Specific Energy: 0.0112 kWh/lb
- Performance Goal: 60 miles

#### GRADEABILITY
- Maximum Grade: 15.2%
- Performance Goal: 25%
- Speed At 3% Grade: 60 mph
- Performance Goal: 55 mph
- Speed At 6% Grade: 47 mph
- Performance Goal: 45 mph

#### HANDLING COURSE
- Average Time @ 90% SOC: 58.6 sec
- Average Time @ 50% SOC: 58.3 sec
- Average Time @ 20% SOC: 58.1 sec
- Average Dodge Neon (ICE) Time: 54.62 sec
- Average Chevrolet S-10 Time: 58.29 sec

#### BRAKING STABILITY
- Controlability: No Stability Problems
- Distance Dry/Wet: 164.4/214.4 feet

#### CHARGER
- Ground Current During Charge: <0.01 mA
- Battery Leakage Current: <0.01 mA
- Charger Efficiency: 95.2%
- Average Power Factor: 0.937
- Performance Goal: 0.95
- Average THD: 29.0%
- Performance Goal: 5%
- Time From 80% DOD: 3 hours 54 minutes

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**EV America**