**EVAmerica Fact Sheet**

**VEHICLE TYPE**
Conversion Of: Geo Metro
VIN: 2C1MR24G6R6799793
Seating Capacity: 2 Adults
Features: Heater, Front Wheel Drive & Front Disk Brakes

**DIMENSIONS**
Wheelbase: 88.9 inches
Track F/R: 55/54 inches
Length: 147.5 inches
Width: 62.4 inches
Height: 52.4 inches
Ground Clearance: >50 mm
Cargo Space: Battery Pack Displaces Rear Seat and OEM Cargo Well.

**WEIGHT**
Curb Weight: 2719 lbs
Test Weight: 2719 lbs
Distribution F/R: 43/57 %
Conversion GVWR: 2447 lbs
OEM GVWR: 2447 lbs
Payload: 321 lbs

**WHEELS & TIRES**
Wheel Size: 13 inch
Tire Mfg: Goodyear Invicta
Tire Size: P175/70R13
Tire Pressure F/R: 44/44 psi
Spare Installed: No

**DRIVE SYSTEM**
Drive Type: Brush DC
Motor Mfg: Advanced DC
Controller Mfg: Curtis PMC
Transmission: 3 Speed Automatic

**BATTERY**
Manufacturer: Optima
Type: Prototype Deep Cycle
Number of Modules: 22
Total Traction Voltage: 132 Volts
Battery Pack Weight: 858 lbs
Locations In Vehicle: Rear Seat & Trunk

**CHARGER**
Location: Off-Board
Input Voltage(s): N/A
Input Current(s): N/A

**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: No

**REQUIREMENTS**
Manual Disconnect Present & Operational: No
Batteries Sealed or Valve Regulated: Yes
Charger Automatic Control: No
SOC Indicator: No
Battery Voltage Indicator: No
Regenerative Current Indicator: N/R
Transmission Single Speed: Yes
Transmission Parking Pawl: Yes
No Open Access to High Voltage: No
Control Efforts Similar To OEM: Yes

**PERFORMANCE STATISTICS**
**ACCELERATION AT 90% SOC** *
Zero to 30 mph: 7.1 sec
Zero to 40 mph: 11.5 sec
Zero to 50 mph: 17.0 sec
Zero to 60 mph: 23.8 sec
Performance Goal: 13.5 seconds; 0 to 60 mph

**ACCELERATION AT 50% SOC** *
Zero to 30 mph: 6.6 sec
Zero to 40 mph: 10.9 sec
Zero to 50 mph: 16.5 sec
Zero to 60 mph: 23.0 sec
Performance Goal: 13.5 seconds; 0 to 60 mph

**MAXIMUM SPEED**
At 50% SOC: 81 mph
Performance Goal: 70 mph

**CONSTANT SPEED RANGE**
45 mph Distance: 47.1 miles
45 mph Energy Used: 11.3 kWhr
45 mph Efficiency: 0.240 kWhr/mile
45 mph Specific Energy: 0.0132 kWhr/lb
60 mph Distance: 39.6 miles
60 mph Energy Used: 7.1 kWhr
60 mph Efficiency: 0.180 kWhr/mile
60 mph Specific Energy: 0.0083 kWhr/lb

**DRIVING CYCLE RANGE**
77°F Distance: 37.9 miles
77°F Energy Used: 13.24 kWhr
77°F Efficiency: 0.349 kWhr/mile
77°F Specific Energy: 0.0154 kWhr/lb
19°F Distance: 27.6 miles
19°F Energy Used: 10.13 kWhr
19°F Efficiency: 0.367 kWhr/mile
19°F Specific Energy: 0.0118 kWhr/lb
Performance Goal: 60 miles

**GRADEABILITY**
Maximum Grade: 32%
Performance Goal: 25%
Speed At 3% Grade: >70 mph
Performance Goal: 55 mph
Speed At 6% Grade: 57 mph
Performance Goal: 45 mph

**HANDLING COURSE**
Avg Time @ 90% SOC: 60.3 sec
Avg Time @ 50% SOC: 59.5 sec
Avg Time @ 20% SOC: 58.4 sec
Avg Dodge Neon (ICE) Time: 54.62 sec
Average Chevrolet S-10 Time: 58.29 sec

**BRAKING STABILITY**
Controlability: No Stability Problems
Distance Dry/Wet: 208.8/323.6 feet

**CHARGER**
Ground Current During Charge: 8 mA
Battery Leakage Current: 0.01 mA
Charger Efficiency: N/A
Average Power Factor: N/A
Performance Goal: 0.95
Average THD: N/A
Performance Goal: 5%
Time From 80% DOD: N/A
Performance Goal: <8 hours

**TEST EXCEPTIONS**
Prototype batteries
Payload 379 lbs less than required
No onboard charger
Test weight greater than OEM GVWR
OEM GVWR re-rated (not certified) by converter
Required battery module replacement
Testing delayed by high battery temperature
Offboard charger fuse failure

**EVAmerica**