VEHICLE TYPE
Conversion Of: Geo Prizm
VIN: 1YSK5304RZ092279
Seating Capacity: 4 Adults
Features: AM/FM Radio,
Power Steering, Power
Brakes, Front Wheel Drive
& Front Disc Brakes

DIMENSIONS
Wheelbase: 96.8 inches
Track F/R: 57.5/56.7 inches
Length: 173.1 inches
Width: 66.6 inches
Height: 55.2 inches
Ground Clearance: >50 mm
Cargo Space: No Intrusion 
on OEM Space

WEIGHT
Curb Weight: 3420 lbs
Test Weight: 3445 lbs
Distribution F/R: 55/45 %
Conversion GVWR: 4060 lbs
OEM GVWR: 3510 lbs
Payload: 615 lbs

WHEELS & TIRES
Wheel Size: 14 inches
Tire Mfg: Firestone
Tire Size: P185/765R14
Tire Pressure F/R: 35/35 psi
Spare Installed: No

DRIVE SYSTEM
Drive Type: 50 kW AC Induction
Motor Mfg: Hughes
Controller Mfg: Hughes
Transmission: Single Speed

BATTERY
Manufacturer: Hawker Energy
Type: G12V/26Ah10C Sealed Lead Acid
Number of Modules: 50
Total Traction Voltage: 300 volts
Battery Pack Weight: 1150 lbs
Locations In Vehicle: Below The
Passenger Compartment

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

REQUIREMENTS
Manual Disconnect Present & Operational: Yes
Batteries Sealed or Valve Regulated: Yes
Charger Automatic Control: Yes
SOC Indicator: No
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: No
Control Efforts Similar To OEM: Yes

TEST EXCEPTIONS
Payload 85 lbs less than required
Requires offboard transformer for charging
Charger/Controller GFI trips inadvertently
OEM GVWR re-certified by converter
Charge Complete Indicator lights prematurely

PERFORMANCE STATISTICS

ACCELERATION AT 90% SOC *
Zero to 30 mph: 6.5 sec
Zero to 40 mph: 9.6 sec
Zero to 50 mph: 14.3 sec
Zero to 60 mph: 21.0 sec
Performance Goal: 13.5 seconds; 0 to 60 mph

ACCELERATION AT 50% SOC *
Zero to 30 mph: 7.0 sec
Zero to 40 mph: 10.6 sec
Zero to 50 mph: 16.2 sec
Zero to 60 mph: 24.9 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: 59.3 miles
45 mph Efficiency: 0.209 kWhr/mile
45 mph Specific Energy: 0.0108 kWhr/lb
60 mph Distance: 41.5 miles
60 mph Energy Used: 11.7 kWhr
60 mph Efficiency: 0.282 kWhr/mile
60 mph Specific Energy: 0.0102 kWhr/lb

DRIVING CYCLE RANGE
77°F Distance: 45.90 miles
77°F Energy Used: 11.93 kWhr
77°F Efficiency: 0.260 kWhr/mile
77°F Specific Energy: 0.0104 kWhr/lb
19°F Distance: 32.20 miles
19°F Energy Used: 9.57 kWhr
19°F Efficiency: 0.296 kWhr/mile
19°F Specific Energy: 0.0083 kWhr/lb
Performance Goal: 60 miles

GRADEABILITY *
Maximum Grade: 23%
Performance Goal: 25%
Speed At 3% Grade: 66 mph
Performance Goal: 55 mph
Speed At 6% Grade: 53 mph
Performance Goal: 45 mph

HANDLING COURSE
Avg Time @ 90% SOC: 55.0 sec
Avg Time @ 50% SOC: 55.0 sec
Avg Time @ 20% SOC: 57.6 sec
Avg Dodge Neon (ICE) Time: 54.62 sec
Average Chevrolet S-10 Time: 58.29 sec

BRAKING STABILITY
Controllability: No Stability Problems
Distance Dry/Wet: 157.6/203.9 feet

CHARGER
Ground Current During Charge: <0.01 mA
Battery Leakage Current: <0.01 mA
Charger Efficiency: 95.8%
Average Power Factor: 0.937
Performance Goal: 0.95
Average THD: 15.5%
Performance Goal: 5%
Time From 80% DOD: 8 hours 12 minutes
Performance Goal: <8 hours

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