VEHICLE TYPE
Conversion Of: Chevrolet S10
VIN: 1GCCS1448SK100655
Seating Capacity: 2 Adults
Features: AM/FM Stereo,
Battery Thermal Management,
Power Steering, Power Brakes,
Front Disc Brakes & Anti-Lock
Brakes

DIMENSIONS
Wheelbase: 109.0 inches
Track F/R: 54.2/54.5 inches
Length: 189.7 inches
Width: 68.1 inches
Height: 62.3 inches
Ground Clearance: >50 mm
Cargo Space: No Intrusion on OEM Cargo Bed

WEIGHT
Curb Weight: 3790 lbs
Test Weight: 3991 lbs
Distribution F/R: 47/53 %
Conversion GVWR: 4600 lbs
OEM GVWR: 4600 lbs
Payload: 609 lbs

WHEELS & TIRES
Wheel Size: 15 inch
Tire Mfg: Goodyear Momentum
Tire Size: P205/75R15
Tire Pressure F/R: 50/50 psi
Spare Installed: No

DRIVE SYSTEM
Drive Type: Dual AC Induction
Motor Mfg: Solectria
Controller Mfg: Solectria
Transmission: Single Speed

BATTERY
Manufacturer: Hawker Energy
Type: G12V38Ah10C Sealed Lead Acid
Number of Modules: 36
Total Traction Voltage: 144 volts
Battery Pack Weight: 1260 lbs
Locations In Vehicle: Under Cargo Bed & Under Hood

INTERLOCKS
Key Removable When Off Only: Yes
Key Off In Park Only: No
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: Yes
Battery Current Indicator: Yes
Regenerative Current Indicator: Yes
Transmission Single Speed: Yes
Transmission Parking Pawl: No
No Open Access to High Voltage: Yes
All High Voltage Clearly Marked: Yes

PERFORMANCE STATISTICS

ACCELERATION AT 90% SOC
Zero to 30 mph: 7.0 sec
Zero to 40 mph: 11.5 sec
Zero to 50 mph: 18.8 sec
Performance Goal: 13.5 seconds; 0 to 50 mph

ACCELERATION AT 50% SOC
Zero to 30 mph: 7.1 sec
Zero to 40 mph: 12.2 sec
Zero to 50 mph: 21.7 sec
Performance Goal: 13.5 seconds; 0 to 50 mph

MAXIMUM SPEED
At 50% SOC: 66 mph
Performance Goal: 70 mph

CONSTANT SPEED RANGE
45 mph Distance: 72.8 miles
45 mph Energy Used: 16.7 kWh
45 mph Efficiency: 0.229 kWh/mile
45 mph Specific Energy: 0.0132 kWh/lb
60 mph Distance: 39.5 miles
60 mph Energy Used: 14.2 kWh
60 mph Efficiency: 0.359 kWh/mile
60 mph Specific Energy: 0.0113 kWh/lb

DRIVING CYCLE RANGE
77°F Distance: 57.86 miles
77°F Energy Used: 21.09 kWh
77°F Efficiency: 0.364 kWh/mile
77°F Specific Energy: 0.0167 kWh/lb
19°F Distance: 53.80 miles
19°F Energy Used: 18.09 kWh
19°F Efficiency: 0.336 kWh/mile
19°F Specific Energy: 0.0144 kWh/lb

GRADEABILITY
Maximum Grade: 26%
Performance Goal: 25%
Speed At 3% Grade: 53 mph
Speed At 6% Grade: 45 mph
Speed At 9% Grade: 39 mph
Speed At 12% Grade: 33 mph

HANDLING COURSE
Avg Time @ 90% SOC: 57.8 sec
Avg Time @ 50% SOC: 57.2 sec
Avg Time @ 20% SOC: 57.1 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: 172.4/258.2 feet

CHARGER
Ground Current During Charge: <0.01 mA
Battery Leakage Current: 0.02 mA
Charger Efficiency: 96.2%
Average Power Factor: 0.943
Average THD: 19.4%
Performance Goal: 5%
Time From 80% DOD: 6 hours 52 minutes
Performance Goal: <8 hours

TEST EXCEPTIONS
Battery charging delayed by high temperature
Charger output fuse replaced
Required charger adjustment
Payload 41 lbs less than required

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