**VEHICLE TYPE**
Conversion Of: Dodge Caravan  
VIN: 2B4GH25945R100022  
Seating Capacity: 5 Adults  

**DIMENSIONS**
Wheelbase: 112.4 inches  
Track F/R: 60.5/62.3 inches  
Length: 177.7 inches  
Width: 72.7 inches  
Height: 68.0 inches  
Ground Clearance: >50 mm  
Cargo Space: No Intrusion on OEM Space

**WEIGHT**
Curb Weight: 5150 lbs  
Test Weight: 5138 lbs  
Distribution F/R: 50/50 %  
Conversion GVWR: 5950 lbs  
OEM GVWR: 5950 lbs  
Payload: 812 lbs

**WHEELS & TIRES**
Wheel Size: 15 inches  
Tire Mfg: Goodyear Momentum  
Tire Size: P205/75R15  
Tire Pressure F/R: 50/50 psi  
Spare Installed: Yes

**DRIVE SYSTEM**
Drive Type: 54 kW Brush DC  
Motor Mfg: General Electric  
Controller Mfg: General Electric  
Transmission: 2 Speed Manual

**BATTERY**
Manufacturer: Eagle-Picher  
Type: NIF - 200 - 5 Nickel Iron  
Number of Modules: 30  
Total Traction Voltage: 180 volts  
Battery Pack Weight: 1685 lbs  
Locations In Vehicle: Beneath Vehicle

**CHARGER**
Location: Under Hood  
Input Voltage(s): 208/240 volts AC  
Input Current(s): 40 amperes AC

**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: No  
Batteries Sealed or Valve Regulated: No  
Charger Automatic Control: Yes  
SOC Indicator: Yes  
Battery Voltage Indicator: No  
Battery Current Indicator: No  
Regenerative Current Indicator: No  
Transmission Single Speed: No  
Transmission Parking Pawl: Yes  
No Open Access to High Voltage: Yes  
No Control Efforts Similar To OEM: Yes

**PERFORMANCE STATISTICS**
**ACCELERATION AT 90% SOC**
Zero to 30 mph: 11.1 sec  
Zero to 40 mph: 19.9 sec  
Zero to 50 mph: 30.7 sec  
Zero to 60 mph: 70.0 sec  
Performance Goal: 13.5 seconds; 0 to 60 mph

**ACCELERATION AT 50% SOC**
Zero to 30 mph: 12.9 sec  
Zero to 40 mph: 20.8 sec  
Zero to 50 mph: 33.9 sec  
Zero to 60 mph: 80.0 sec  
Performance Goal: 13.5 seconds; 0 to 60 mph

**MAXIMUM SPEED**
At 50% SOC: 62 mph  
Performance Goal: 70 mph

**CONSTANT SPEED RANGE**
45 mph Distance: 86.4 miles  
45 mph Efficiency: 0.317 kWh/mile  
45 mph Specific Energy: 0.0163 kWh/lb  
60 mph Distance: 57.0 miles  
60 mph Energy Used: 23.78 kWh  
60 mph Specific Energy: 0.0141 kWh/lb

**DRIVING CYCLE RANGE**
**77°F**
Distance: 51.40 miles  
Energy Used: 21.88 kWh  
Efficiency: 0.426 kWh/mile  
Specific Energy: 0.0130 kWh/lb  
Distance: 48.60 miles  
Energy Used: 21.89 kWh  
Efficiency: 0.450 kWh/mile  
Specific Energy: 0.0130 kWh/lb

**GRADEABILITY**
Maximum Grade: 16%  
Performance Goal: 25%  
Speed At 3% Grade: 48 mph  
Performance Goal: 55 mph  
Speed At 6% Grade: 37 mph  
Performance Goal: 45 mph

**HANDLING COURSE**
Avg Time @ 90% SOC: 66.0 sec  
Avg Time @ 50% SOC: 63.9 sec  
Avg Time @ 20% SOC: 118 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: 207.2/355.1 feet

**CHARGER**
Ground Current During Charge: 0.17 mA  
Charger Efficiency: 98.8%  
Average Power Factor: 0.93  
Average THD: 45.0%  
Performance Goal: 5%  
Time From 80% DOD: 5 hours 7 minutes  
Performance Goal: <8 hours

**EVAmerica**