## Vehicle Specifications

**Base Vehicle:** Dodge Caravan  
**VIN:** 2B4G1587XR179939  
**Standard Features:**  
- AM/FM Stereo Radio w/ Cassette Tape  
- Tilt Steering Wheel  
- Air Conditioning  
- Heater  
- Front Wheel Drive  
- Driver & Front Passenger Air Bags  
- Power Steering  
- Power Brakes  
- Front Wheel Disc Brakes  
- Anti-Lock Brakes  
- Regenerative Braking  
- Power Door Locks  
- Low Rolling Resistance Tires

### Weights

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Curb Weight:</td>
<td>4,835 lbs</td>
</tr>
<tr>
<td>Delivered Curb Weight:</td>
<td>4,878 lbs</td>
</tr>
<tr>
<td>Distribution F/R:</td>
<td>52/48 %</td>
</tr>
<tr>
<td>GVWR:</td>
<td>5,800 lbs</td>
</tr>
<tr>
<td>GAWR F/R:</td>
<td>2,850/3,100 lbs</td>
</tr>
<tr>
<td>Payload:</td>
<td>945 lbs</td>
</tr>
<tr>
<td>Performance Goal:</td>
<td>600 lbs</td>
</tr>
</tbody>
</table>

### Dimensions

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wheelbase:</td>
<td>113.9 inches</td>
</tr>
<tr>
<td>Track F/R:</td>
<td>62.9/64.2 inches</td>
</tr>
<tr>
<td>Length:</td>
<td>185.8 inches</td>
</tr>
<tr>
<td>Width:</td>
<td>75.8 inches</td>
</tr>
<tr>
<td>Height:</td>
<td>70.3 inches</td>
</tr>
<tr>
<td>Ground Clearance:</td>
<td>5.2 inches @ GVWR</td>
</tr>
<tr>
<td>Performance Goal:</td>
<td>5.0 inches @ GVWR</td>
</tr>
</tbody>
</table>

### Battery

- **Manufacturer:** SAFT  
- **Type:** Nickel Metal Hydride  
- **Number of Modules:** 14  
- **Module Weight:** 38 kg (w/coolant)  
- **Pack Weight:** 532 kg (w/coolant)  
- **Pack(s) Location:** Underbody  
- **Nominal Module Voltage:** 24 V  
- **Nominal System Voltage:** 336 V  
- **Nominal Capacity (C/3):** 82 A/H

### Charger

- **Location:** Off-board  
- **Type:** Lockheed-Martin Conductive  
- **Input Voltages:** See Test Note 2

### Tires

<table>
<thead>
<tr>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tire Mfg:</td>
<td>Goodyear</td>
</tr>
<tr>
<td>Tire Model:</td>
<td>Momentum</td>
</tr>
<tr>
<td>Tire Size:</td>
<td>P205/75R15 XL</td>
</tr>
<tr>
<td>Tire Pressure F/R:</td>
<td>50/50 psi</td>
</tr>
<tr>
<td>Spare Installed:</td>
<td>Yes (space-saver)</td>
</tr>
</tbody>
</table>

### Performance Statistics

- **Acceleration 0-50 mph**  
  - At 100% SOC: 12.3 sec  
  - At 50% SOC: 12.9 sec  
  - Max Power: 91.3 kW  
  - Performance Goal: 13.5 sec
- **Maximum Speed @ 50% SOC**  
  - At ¼ Mile: 61.7 mph  
  - In 1 Mile: 78.0 mph  
  - Performance Goal: 70 mph in One Mile
- **Constant Speed Range @ 45 mph**  
  - Range: 116.1 miles  
  - Energy Used: 28.48 kW  
  - Average Power: 11.09 kW  
  - Efficiency: 245 Wh/mile  
  - Specific Energy: 55.1 Wh/kg
- **Constant Speed Range @ 60 mph**  
  - Range: 81.2 miles  
  - Energy Used: 27.61 kWh  
  - Average Power: 20.18 kW  
  - Efficiency: 340 Wh/mile  
  - Specific Energy: 51.9 Wh/kg
- **Braking from 60 mph**  
  - Controlled Dry: 179.0 feet  
  - Controlled Wet: 238.0 feet  
  - Panic Wet: 197.0 feet  
  - Course Deviation: 0.0 feet
- **Driving Cycle Range**  
  - Range per SAE J1634: 79.1 miles  
  - Energy Used: 29.42 kWh  
  - Average Power: 9.91 kW  
  - Efficiency: 372 Wh/mile  
  - Specific Energy: 55.3 Wh/kg
- **Charging Efficiency**  
  - Efficiency: 784 Wh-AC/mile  
  - Energy Cost: @ 10¢/kWh: 7.84¢/mile

### Test Notes:

1. **Design Payload Value.** Value as tested was 922 lbs.  
2. **Charger can be powered from 208V or 240V single phase or 208V three phase AC.**  
3. **Test was terminated upon illumination of the Power Limit telltale.**  
4. **At test termination, vehicle was still able to maintain the required drive schedule speed.**  
5. **Charge was accomplished using 40A 208V single-phase power.**  
6. **Time to recharge on 60A 208V three-phase power was 4 hours 12 minutes.**  
7. **Time to recharge on 60A 240V single-phase was 6 hours 0 minutes.**  
8. **Vehicle was removed from the Test Program for two 24-hour repair periods to replace a failed O-ring in the air conditioning system (NCR 99-001-79939) and one 24-hour repair period to replace the battery pack (NCR 99-002-79939).**

*This vehicle meets all EV America Minimum Requirements listed on back. Values in red indicate the Performance Goal was not met. • All Power and Energy values are DC unless otherwise specified.*