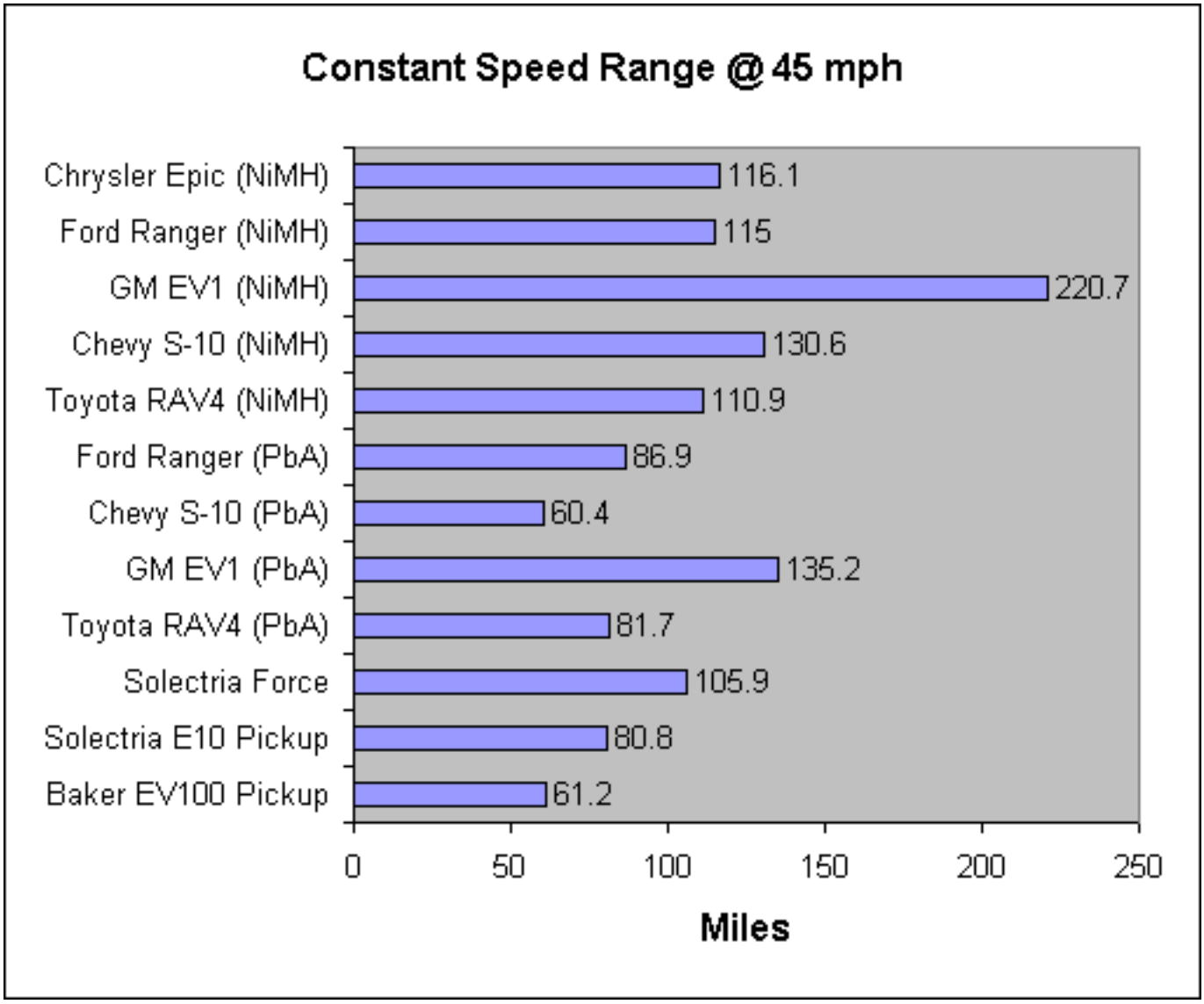
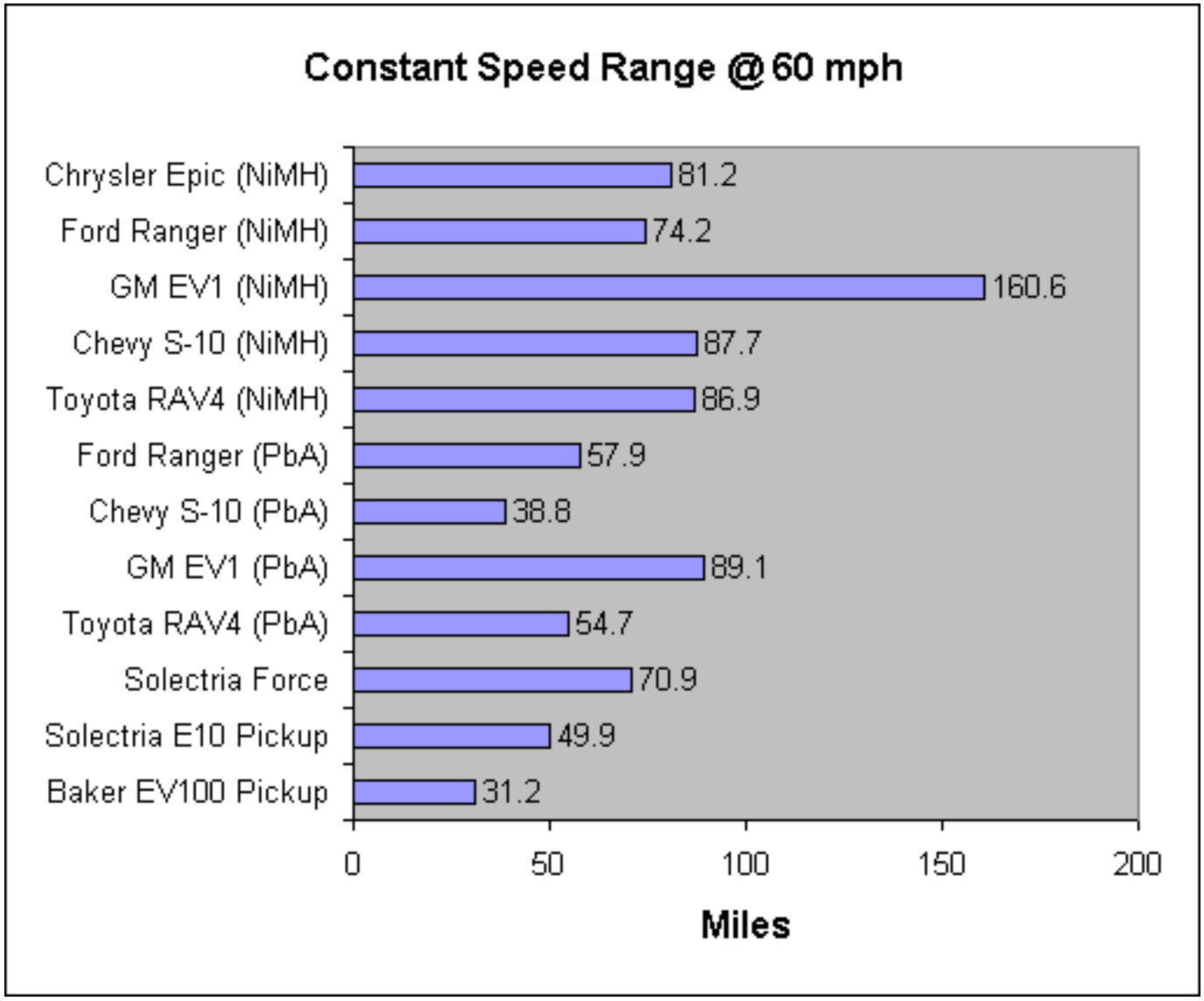
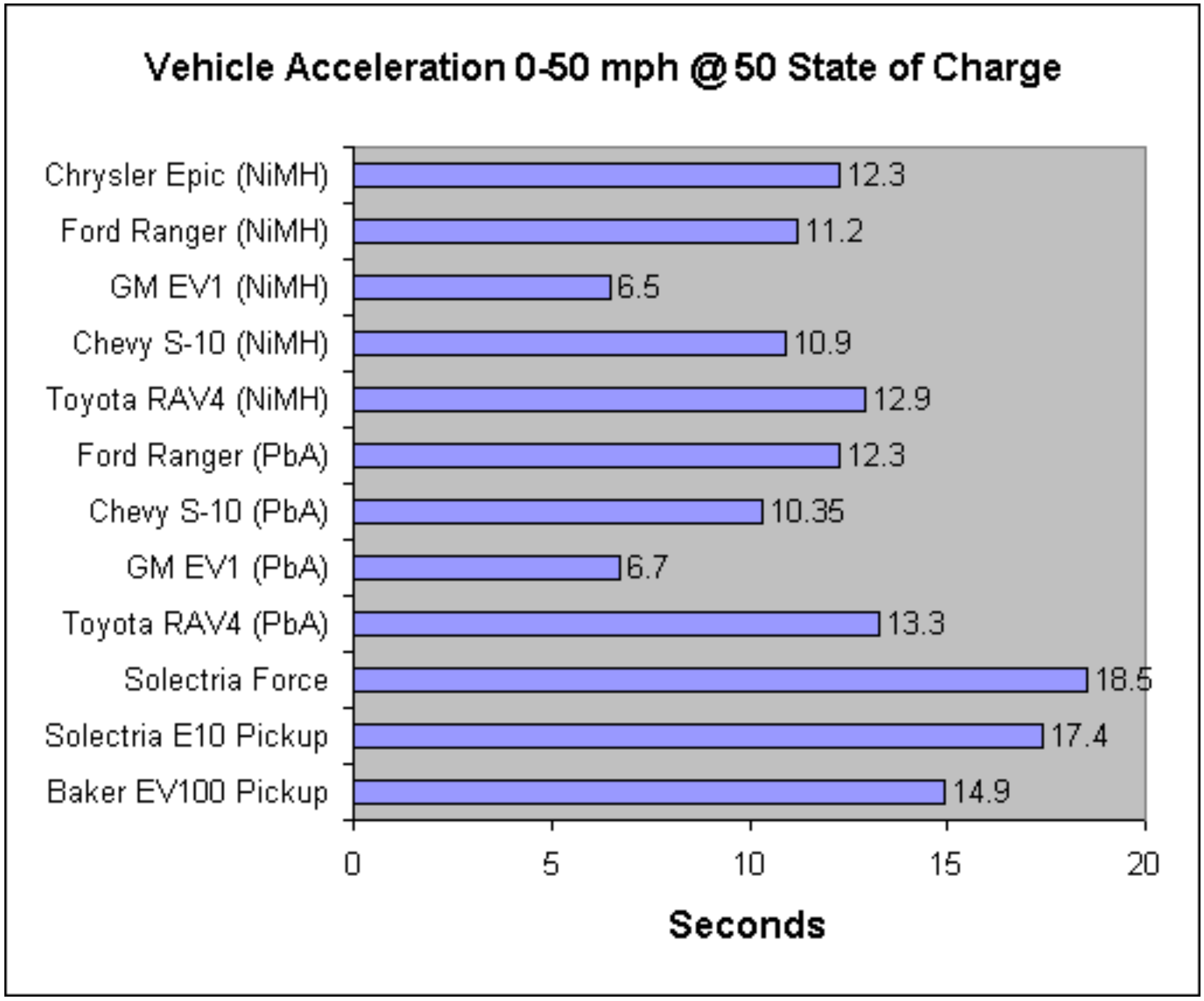
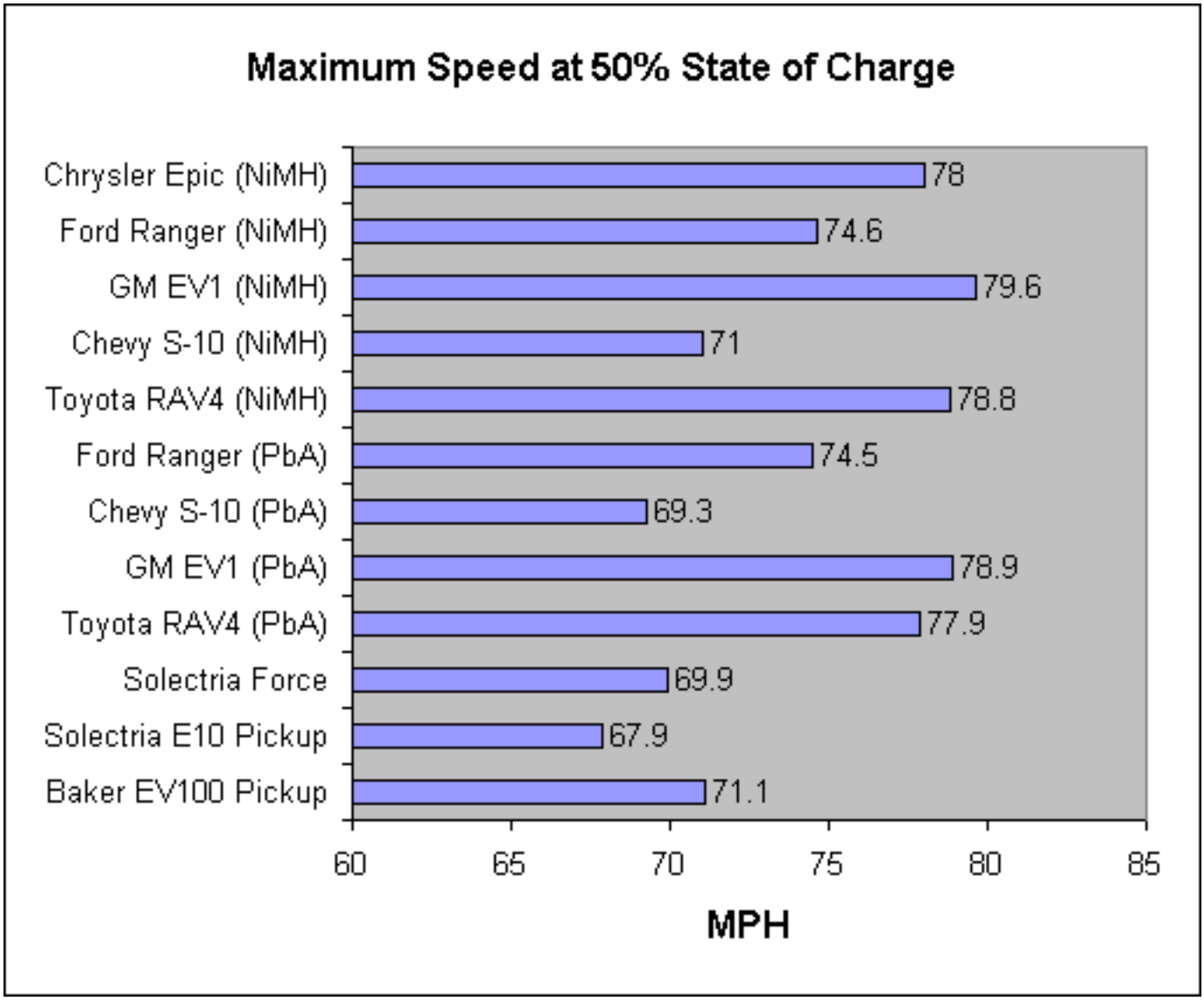
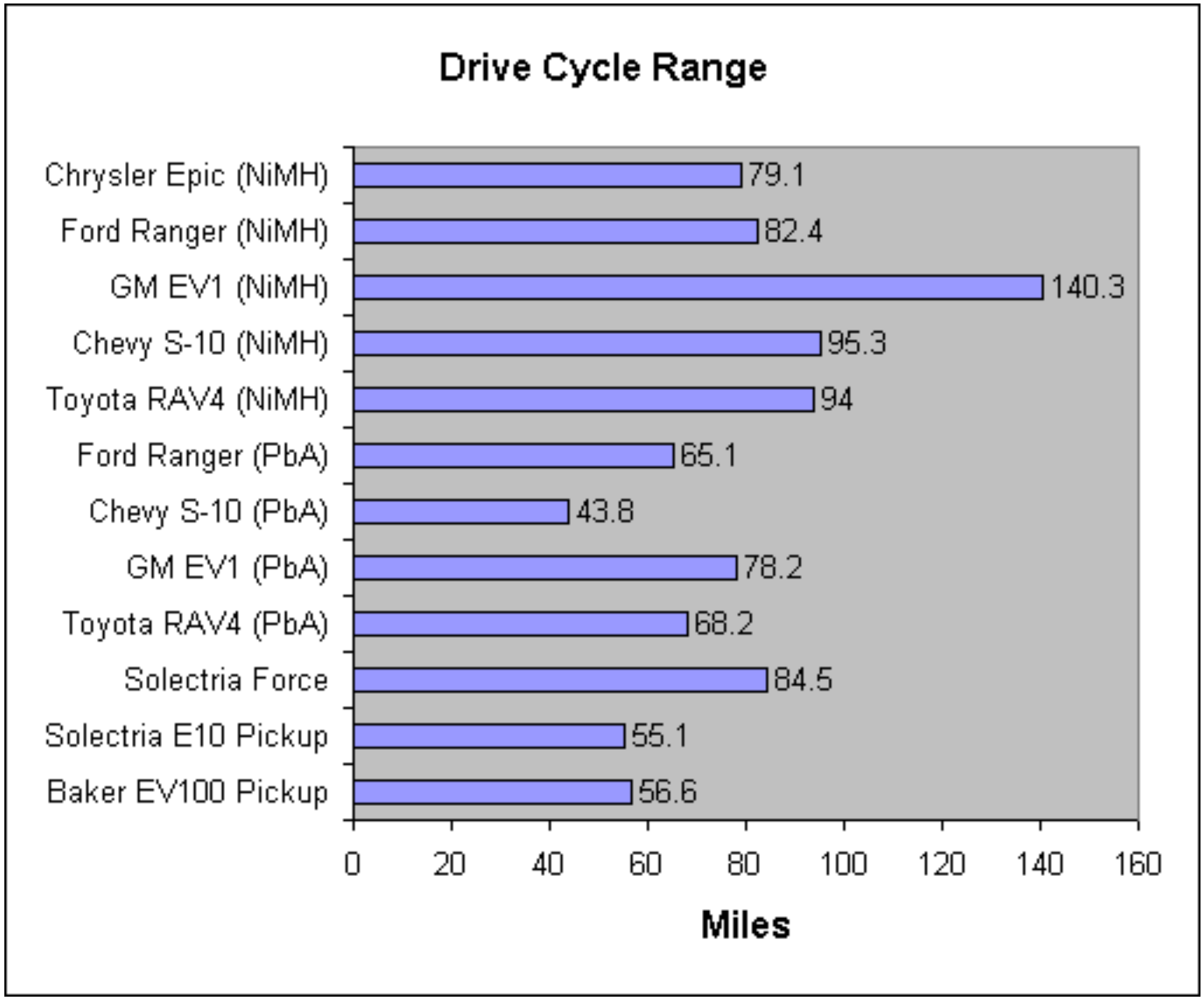
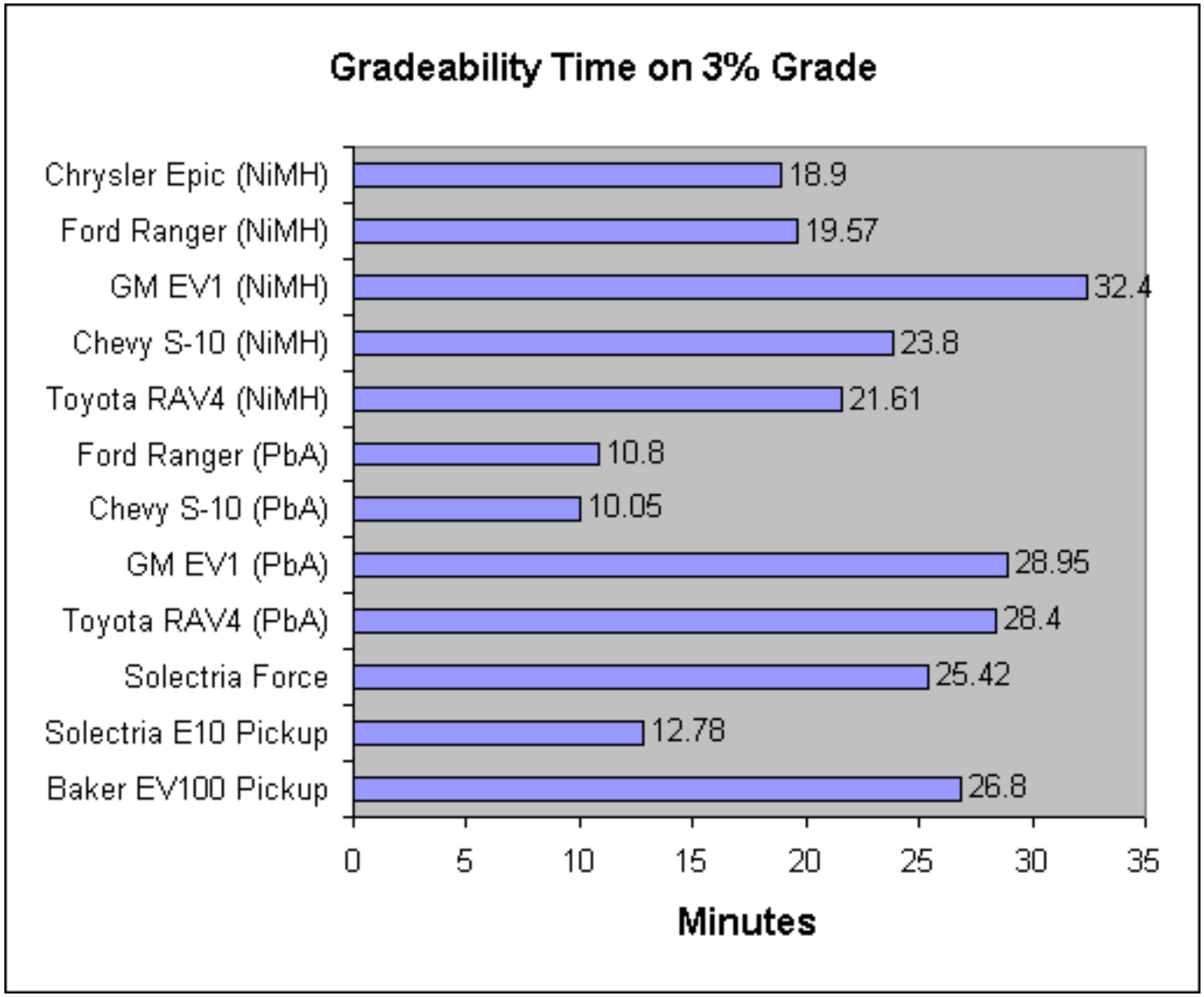

Constant Speed Range @ 45 mph
Chrysler Epic (NiMH)
116.1
Ford Ranger (NiMH)
115
GM EV1 (NiMH)
220.7
Chevy S-10 (NiMH)
130.6
Toyota RAV4 (NiMH)
110.9
Ford Ranger (PbA)
86.9
Chevy S-10 (PbA)
60.4
GM EV1 (PbA)
135.2
Toyota RAV4 (PbA)
81.7
Solectria Force
105.9
Solectria E10 Pickup
80.8
Baker EV100 Pickup
61.2
0
50
100
150
200
250
Miles

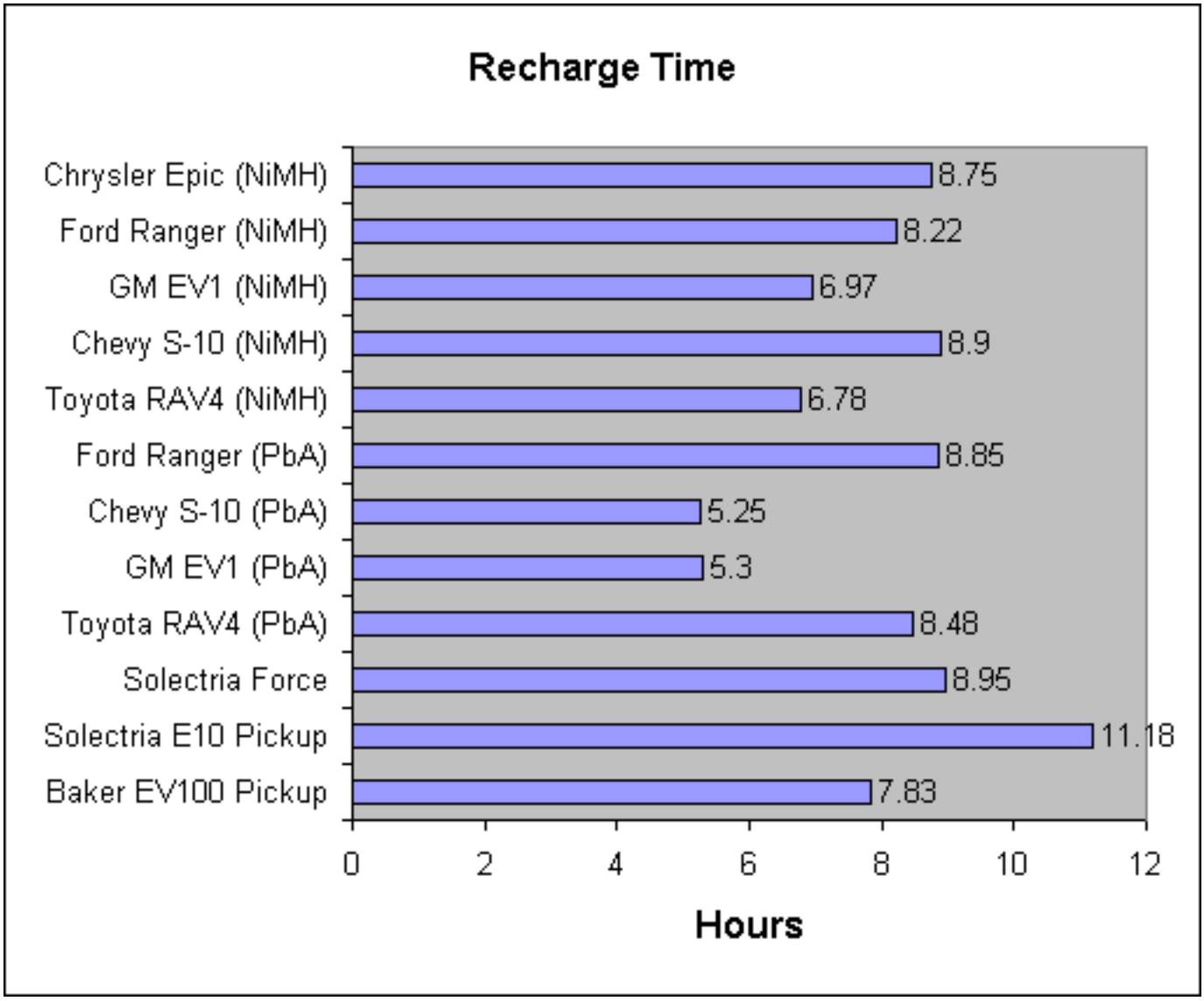

Constant Speed Range @ 60 mph
Chrysler Epic (NiMH)
81.2
Ford Ranger (NiMH)
74.2
GM EV1 (NiMH)
160.6
Chevy S-10 (NiMH)
87.7
Toyota RAV4 (NiMH)
86.9
Ford Ranger (PbA)
57.9
Chevy S-10 (PbA)
38.8
GM EV1 (PbA)
89.1
Toyota RAV4 (PbA)
54.7
Solectria Force
70.9
Solectria E10 Pickup
49.9
Baker EV100 Pickup
31.2
0
50
100
150
200
Miles

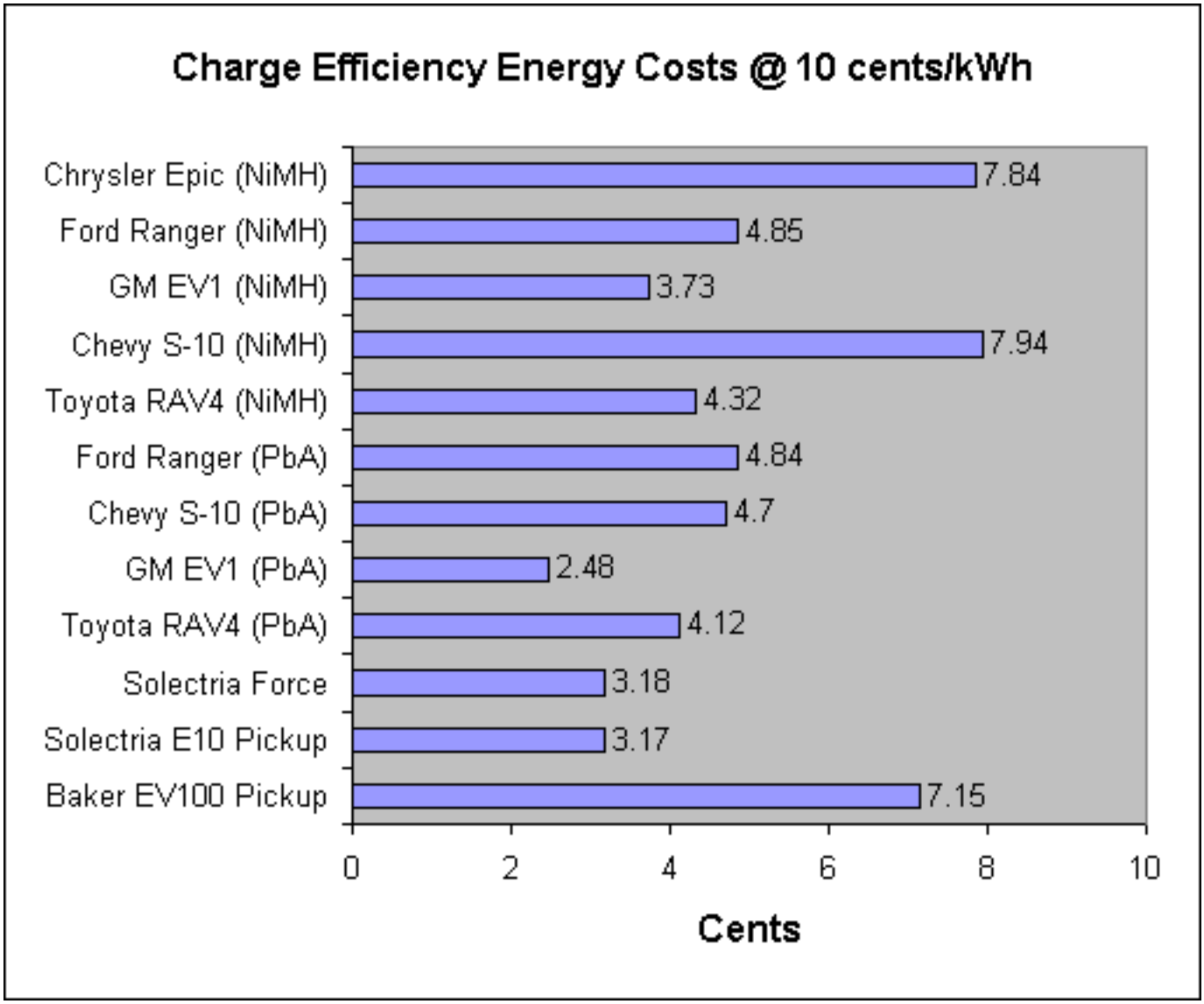

Vehicle Acceleration 0-50 mph @ 50 State of Charge
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
12.3
11.2
6.5
10.9
12.9
12.3
10.35
6.7
13.3
18.5
17.4
14.9
0
5
10
15
20
Seconds


Maximum Speed at 50% State of Charge
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
78
74.6
79.6
71
78.8
74.5
69.3
78.9
77.9
69.9
67.9
71.1
60
65
70
75
80
85
MPH


Drive Cycle Range
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
79.1
82.4
140.3
95.3
94
65.1
43.8
78.2
68.2
84.5
55.1
56.6
0
20
40
60
80
100
120
140
160
Miles


Gradeability Time on 3% Grade
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
18.9
19.57
32.4
23.8
21.61
10.8
10.05
28.95
28.4
25.42
12.78
26.8
0
5
10
15
20
25
30
35
Minutes


Recharge Time
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
8.75
8.22
6.97
8.9
6.78
8.85
5.25
5.3
8.48
8.95
11.18
7.83
0
2
4
6
8
10
12
Hours


Charge Efficiency Energy Costs @ 10 cents/kWh
Chrysler Epic (NiMH)
Ford Ranger (NiMH)
GM EV1 (NiMH)
Chevy S-10 (NiMH)
Toyota RAV4 (NiMH)
Ford Ranger (PbA)
Chevy S-10 (PbA)
GM EV1 (PbA)
Toyota RAV4 (PbA)
Solectria Force
Solectria E10 Pickup
Baker EV100 Pickup
7.84
4.85
3.73
7.94
4.32
4.84
4.7
2.48
4.12
3.18
3.17
7.15
0
2
4
6
8
10
Cents