

# ELECTRIC VEHICLE PERFORMANCE CHARACTERIZATION SUMMARY

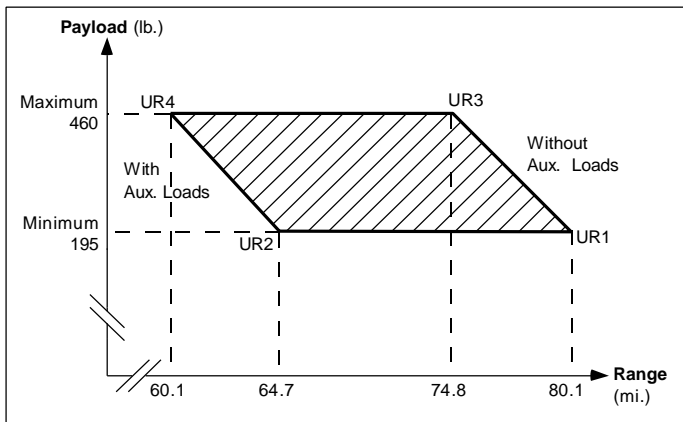


ELECTRIC TRANSPORTATION DIVISION

## GM EV1 LEAD ACID BATTERIES SEPTEMBER 1997

### Urban Range

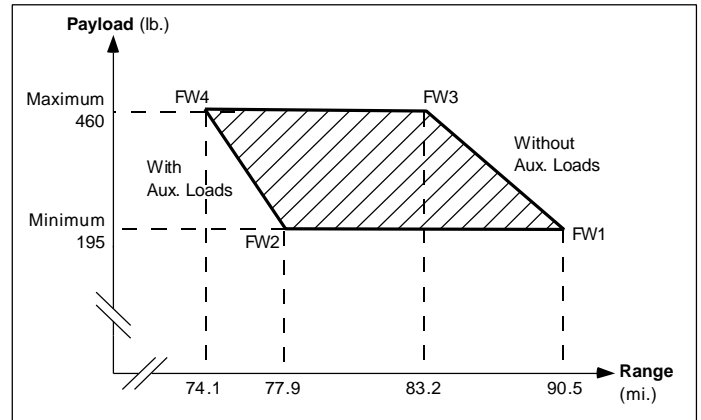
(On Urban Pomona Loop – see other side for map)



Test	UR1	UR2	UR3	UR4
Maximum Payload (lb.)	195	195	460	460
Minimum Payload (lb.)	195	195	460	460
AC kWh Recharge	22.50	19.36	18.34	18.28
AC kWh/mi.	0.281	0.299	0.245	0.304
Range (mi.)	80.1	64.7	74.8	60.1
Avg. Ambient Temp.	79°F	76°F	73°F	78°F

### Freeway Range

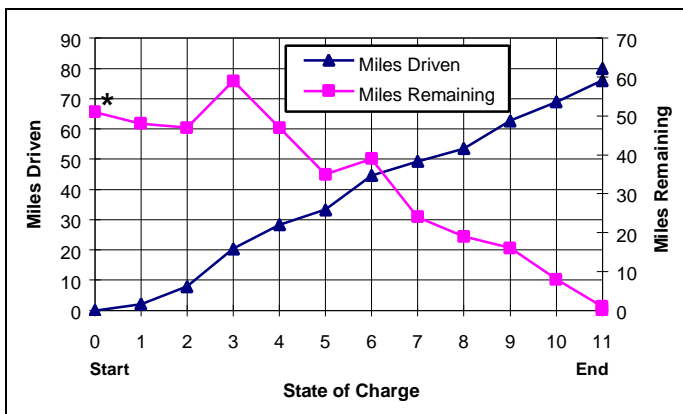
(On Freeway Pomona Loop – see other side for map)



Test	FW1	FW2	FW3	FW4
Maximum Payload (lb.)	195	195	460	460
Minimum Payload (lb.)	195	195	460	460
AC kWh Recharge	21.68	18.12	20.73	21.57
AC kWh/mi.	0.240	0.233	0.25	0.291
Range (mi.)	90.5	77.9	83.2	74.1
Avg. Ambient Temp.	80°F	91°F	82°F	82°F

### State of Charge Meter

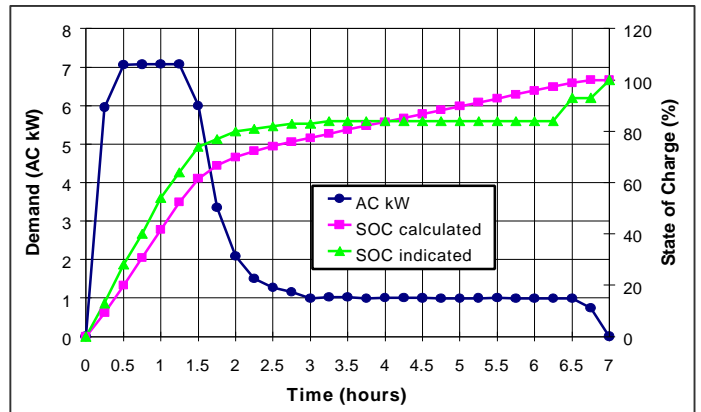
(Urban Range Test)



\* Initial "Miles Remaining" depend on driving economy before recharge



### Charger



MEASURED VALUE AT PEAK AC POWER	
Voltage	233.5 V
Current	30.29 A
Real Power	7.019 kW
Reactive Power	840.3 VAR
Apparent Power	7.074 kVA
Total Power Factor	0.99 PF
Displacement Power Factor	0.99 dPF
Voltage THD	0.3 %
Current THD	3.4 %