

# Battery Specifications

SOC	Specific Gravity	Cell	6 Volt	12 Volts	24 Volt
100 %	1.265	2.117	6.35	12.70	25.40
95 %	1.257	2.106	6.32	12.63	25.25
90 %	1.249	2.104	6.312	12.58	25.16
85 %	1.241	2.086	6.26	12.52	25.04
80 %	1.233	2.077	6.23	12.46	24.92
75 %	1.225	2.067	6.20	12.40	24.80
70 %	1.218	2.06	6.18	12.36	24.72
65 %	1.211	2.053	6.16	12.32	24.64
60 %	1.204	2.047	6.14	12.28	24.56
55 %	1.197	2.04	6.12	12.24	24.48
50 %	1.190	2.033	6.10	12.20	24.40
40 %	1.176	2.02	6.06	12.12	24.24
30 %	1.162	2.007	6.02	12.04	24.08
20 %	1.148	1.997	5.99	11.98	23.96
10 %	1.134	1.99	5.97	11.94	23.88
Difference	0.131	0.127	0.38	0.76	1.52

The values given are for a FLA-type battery and at temperature of 77 °F (25 °C). Cooler temperatures produce lower voltage measurements.

If the state-of-charge is BELOW 75%, using the specific gravity or voltage test, then the battery needs to be recharged BEFORE proceeding.

There should be less than a 0.2 volt difference between each battery

If there is a .05 (sometimes expressed as 50 "points") or more difference in the specific gravity reading between the highest and lowest cell, there is a weak or dead cell(s).