



Battery State of Charge / Discharge

Electrolyte Specific Gravity and corresponding Cell Voltage
for various states of charge or discharge for lead-acid industrial batteries.

State of Charge / Discharge	Specific Gravity of Electrolyte	Cell Voltage
Fully Charged	1.260 to 1.300 1.275 nominal	2.10 volts - no load
75% Charged / 25% Discharged	1.230 to 1.250	
50% Charged / 50% Discharged	1.200 to 1.220	2.01 volts - no load 1.94 volts - under load
25% Charged / 75% Discharged	1.170 to 1.190	
20% Charged / 80% Discharge (normal recharge point)	1.140 to 1.160	1.93 volts - no load
Discharged	1.110 to 1.130	1.75 volts - no load