Battery Maintenance Solutions

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Maximum Charge Current Settings on the Cadex 7200 Battery Analyzer

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Total charge power output on the Cadex 7200 is 40W. All charge current settings below assume that you trying to channeling 40W of power into one station. A charge wait message appears if you are trying charge a battery with power that is not available because another a battery is already running on the analyzer. All current settings below are in milli-amperes (mA). (Note: Maximum discharge power *per station* is 35W.)

NiCd / NiMH

V_{nom} (V)	Max. Chg. Current (mA)
14.4	2008
13.2	2191
12.0	2410
10.8	2677
9.6	3012
8.4	3442
7.2	4000
6.0	4000
4.8	4000
3.6	4000
2.4	4000
1.2	2500

SLA

	Max. Charge Current (mA) based on V_{nom} setting							
V_{charge} (V/cell)	16V (8 cell)	14V (7 cell)	12V (6 cell)	10V (5 cell)	8V (4 cell)	6V (3 cell)	4V (2 cell)	2V (1 cell)
2.65	1887	2156	2516	3019	3774	4000	4000	2500
2.60	1923	2198	2564	3077	3846	4000	4000	2500
2.55	1961	2241	2614	3137	3922	4000	4000	2500
2.50	2000	2286	2667	3200	4000	4000	4000	2500
2.45	2041	2332	2721	3265	4000	4000	4000	2500
2.40	2083	2381	2778	3333	4000	4000	4000	2500
2.35	2128	2432	2837	3404	4000	4000	4000	2500
2.30	2174	2484	2899	3478	4000	4000	4000	2500
2.25	2222	2540	2963	3556	4000	4000	4000	2500
2.20	2273	2597	3030	3636	4000	4000	4000	2500

Li

	Max. Charge Current (mA) based on V_{nom} setting			
V_{charge} (V/cell)	14.4V (4 cell)	10.8V (3 cell)	7.2V (2 cell)	3.6V (1 cell)
4.35	2299	3065	4000	2500
4.30	2326	3101	4000	2500
4.25	2353	3137	4000	2500
4.20	2381	3175	4000	2500
4.15	2410	3213	4000	2500
4.10	2439	3252	4000	2500
4.05	2469	3292	4000	2500
4.00	2500	3333	4000	2500
3.95	2532	3376	4000	2500
3.90	2564	3419	4000	2500

1.) Charge settings may be slightly different than what is listed above due to rounding errors and the rated capacity that was entered in the "mAh" setting of the Basic C-Code.
2.) V_{nom} is the "VOLTS" setting in the Basic C-Code; V_{charge} is the "MAX. CHARGE VOLTAGE" entered in the Extended C-Code settings.