

# C&D POWERCOM

A Division of C&D Charter Power Systems, Inc.

## XT ANTIMONY



A proven generation of high performance, space-saving batteries for UPS, switchgear and control



### FEATURES AND BENEFITS

- More reserve power/time in less rack space
- Battery warranty for cycle duty, as well as float service
- Electrical testing to 100 percent capacity assures performance of every battery
- Hardened, lead-alloy terminals or copper-inserted posts provide better conductivity and tighter connections
- Flame-retardant covers enhance battery plant safety

### WARRANTY CRITERIA FOR LIMITED CYCLE SERVICE

Duration of discharge	Warranted cycle life
0.0 to 0.5 minutes	5,400 events
0.5 to 1.5 minutes	790 events
1.5 to 4.0 minutes	310 events
4.0 to 15 minutes	135 events

Based on discharges at 15-minute rate to minimum voltage of 1.67 Vpc.

### SPECIFICATIONS

<b>Plates</b>	
Height	15.62 in (397 mm)
Width	12.62 in (321 mm)
Positive thickness	0.20 in (5.1 mm)
Negative thickness	0.12 in (3.0 mm)
<b>Electrolyte height above plates</b>	2.25 in (57 mm)
<b>Sediment space</b>	0.63 in (16 mm)
<b>Electrolyte @ 77°F (25°C)</b>	
XT-LA	Sulfuric acid, 1.215 specific gravity nominal
XT-LAC	Sulfuric acid, 1.250 specific gravity nominal
<b>Electrolyte withdrawal tubes</b>	
XT-LA (single and twin cells)	2 per cell
XT-LA (four cell unit)	1 per cell
<b>Float voltages</b>	
XT-LA	2.15 – 2.20 volts per cell
XT-LAC	2.19 – 2.24 volts per cell
<b>Container</b>	Thermoplastic, transparent
<b>Cover</b>	High-impact, flame-retardant thermoplastic, with tongue-and-groove seal. Flammability ratings: UL 94-V0; ASTM D-635, self-extinguishing. Oxygen index >28
<b>Separator</b>	Microporous, with fiberglass retaining mat
<b>Safety vent system</b>	Flame arrester with dust cover
<b>Terminals</b>	
XT-LA and XT-LAC (7 through 9 plates)	Two, hardened, lead-alloy chair terminals
XT-LA and XT-LAC (11 through 25 plates)	Two, 1-in square copper-inserted posts with dual bolt holes
XT-LA and XT-LAC (27 through 41 plates)	Four, 1-in square copper-inserted posts with dual bolt holes
XT-LA and XT-LAC (43 through 53 plates)	Six, 1-in square copper-inserted posts with dual bolt holes
<b>Optional container</b>	Transparent, flame-retardant polycarbonate. Oxygen index >25 Flammability ratings: UL 94-V2; ASTM D-635-68, self-extinguishing

Models	Unit dimensions in (mm)			Unit weight lbs (kgs)		Electrolyte per cell lbs (kgs)
	L	W	H	Net filled	Dom packed	
XT4LA-7 XT4LA-9	10.08 (256)	14.13 (359)	22.75 (578)	254 (115) 304 (138)	269 (122) 319 (145)	15 (6.8) 14 (6.4)
XT4LA-11 XT4LA-13 XT4LA-15	15.00 (381)	14.13 (359)	22.75 (578)	432 (196) 482 (219) 535 (243)	444 (202) 499 (227) 549 (250)	22 (10.0) 21 (9.5) 20 (9.1)
XT2LA-17 XT2LA-19 XT2LA-21 XT2LA-23 XT2LA-25	12.09 (307)	14.13 (359)	22.75 (578)	342 (155) 365 (166) 390 (177) 415 (139) 440 (200)	359 (163) 382 (174) 407 (185) 432 (196) 457 (208)	44 (20.0) 43 (19.5) 42 (19.1) 41 (18.2) 40 (18.2)
XT1LA-27 XT1LA-29	7.63 (194)	14.13 (359)	22.75 (578)	248 (113) 250 (118)	264 (120) 275 (125)	42 (19.1) 40 (18.2)
XT1LA-31 XT1LA-33	8.88 (226)	14.13 (359)	22.75 (578)	283 (129) 294 (134)	300 (136) 311 (141)	46 (20.9) 44 (20.0)
XT1LA-35 XT1LA-37 XT1LA-39 XT1LA-41	10.63 (270)	14.13 (359)	22.75 (578)	317 (144) 328 (149) 339 (154) 350 (159)	334 (152) 345 (157) 356 (162) 367 (167)	58 (26.4) 56 (25.5) 54 (24.5) 52 (23.6)
XT1LA-43 XT1LA-45 XT1LA-47 XT1LA-49 XT1LA-51 XT1LA-53	13.19 (335)	14.13 (359)	22.75 (578)	416 (189) 427 (194) 438 (199) 449 (204) 460 (209) 471 (214)	434 (197) 445 (202) 456 (207) 467 (212) 478 (217) 489 (222)	86 (39.1) 84 (38.2) 82 (37.3) 80 (36.4) 78 (35.5) 76 (34.5)



Nom volts	Models	Nominal rates to 1.75 Vpc average 1.215 specific gravity @ 77°F (25°C) (includes connector voltage drop)							Nominal rates to 1.67 Vpc average 1.215 specific gravity @ 77°F (25°C) (includes connector voltage drop)			
		Ampere-hours				Amperes			Kilowatts per cell			
		8 Hr	5 Hr	3 Hr	1 Hr	30 Min	15 Min	1 Min	1 Hr	30 Min	15 Min	1 Min
8	XT4LA-7	297	285	271	203	295	397	543	0.392	0.606	0.810	1.140
8	XT4LA-9	396	380	355	267	390	523	716	0.517	0.799	1.068	1.504
8	XT4LA-11	495	475	448	338	493	661	905	0.653	1.010	1.349	1.900
8	XT4LA-13	594	570	538	404	591	793	1085	0.784	1.212	1.619	2.280
8	XT4LA-15	693	665	623	468	683	916	1253	0.905	1.399	1.869	2.632
4	XT2LA-17	792	760	730	547	786	1025	1325	1.065	1.610	2.136	2.879
4	XT2LA-19	890	856	838	615	884	1153	1491	1.198	1.812	2.403	3.239
4	XT2LA-21	989	951	914	684	982	1282	1656	1.331	2.013	2.670	3.599
4	XT2LA-23	1088	1046	1004	752	1081	1410	1822	1.464	2.214	2.937	3.959
4	XT2LA-25	1176	1129	1074	803	1154	1505	1946	1.563	2.365	3.137	4.227
2	XT1LA-27	1286	1236	1199	893	1282	1665	2153	1.737	2.625	3.471	4.678
2	XT1LA-29	1385	1331	1277	952	1365	1775	2294	1.850	2.798	3.699	4.985
2	XT1LA-31	1484	1426	1382	1030	1478	1922	2484	2.004	3.029	4.005	5.398
2	XT1LA-33	1583	1521	1461	1087	1560	2028	2622	2.115	3.197	4.227	5.697
2	XT1LA-35	1682	1616	1568	1168	1676	2178	2816	2.271	3.433	4.539	6.118
2	XT1LA-37	1781	1711	1662	1237	1774	2307	2982	2.405	3.635	4.806	6.478
2	XT1LA-39	1880	1806	1752	1306	1872	2434	3147	2.538	3.837	5.073	6.837
2	XT1LA-41	1979	1901	1825	1360	1950	2536	3277	2.644	3.997	5.284	7.122
2	XT1LA-43	2078	1996	1918	1428	2048	2662	3442	2.776	4.196	5.548	7.478
2	XT1LA-45	2177	2091	2008	1496	2145	2789	3606	2.908	4.396	5.812	7.834
2	XT1LA-47	2276	2186	2078	1547	2219	2885	3729	3.008	4.547	6.012	8.103
2	XT1LA-49	2375	2281	2145	1597	2290	2978	3849	3.105	4.694	6.206	8.364
2	XT1LA-51	2474	2377	2209	1645	2360	3069	3966	3.199	4.836	6.394	8.618
2	XT1LA-53	2547	2446	2273	1692	2427	3156	4080	3.290	4.974	6.577	8.864

Note: Data above is for 1.215 nominal specific gravity. Batteries are offered in 1.215 and 1.250 specific gravities. The amps @ 1.250 specific gravity are equal to the amps @ 1.215 multiplied by 1.10. For batteries with 1.250 specific gravity, use indicator "C" with battery type. For example: XT-4LAC-7 identifies 1.250 specific gravity. XT-4LA-7 identifies 1.215 specific gravity.

A word about C&D rates: These batteries are manufactured to provide 100 percent of published rates on initial discharge. Quality Assurance Certification of test results is available at a nominal fee.

See Brochure 12-350-1 and 12-350-2 for battery kilowatt ratings at 1.215 and 1.250 specific gravities. For information on battery racks, please refer to Brochure 12-550.

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