

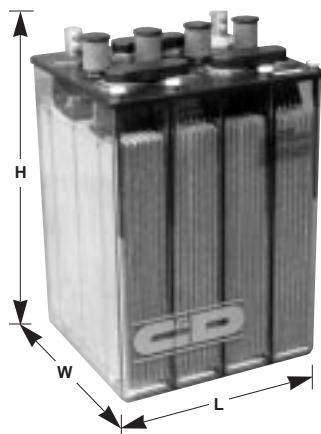
CD & TECHNOLOGIES

Power Solutions

XT PLUS



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



High-rate, bolt-on intercell connector used on 11-25 plate inserts*

FEATURES AND BENEFITS

- Longer cycle life due to use of wrapped positive plate
- More reserve power/time in less rack space
- Battery warranty for cycle duty, as well as float service
- Electrical testing to 100 percent of published rating assures performance of every battery
- Hardened, lead-alloy terminals or copper-inserted posts provide better conductivity and tighter connections
- Low-maintenance, lead-calcium alloy extends watering intervals
- Flame-retardant covers enhance battery-plant safety
- Soft-rubber post minimizes stress on post seal

WARRANTY CRITERIA FOR LIMITED CYCLE SERVICE

Duration of discharge	Warranted cycle life
0.0 to 0.5 minutes	10,500 events
0.5 to 1.5 minutes	2,100 events
1.5 to 4.0 minutes	660 events
4.0 to 15.0 minutes	300 events

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

SPECIFICATIONS

Plates	
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)
Electrolyte height above plates	2.25 in (57 mm)
Sediment space	0.63 in (16 mm)
Electrolyte @ 77F (25C)	
XT-LP	Sulfuric acid, 1.215 specific gravity nominal
XT-LCP	Sulfuric acid, 1.250 specific gravity nominal
Electrolyte withdrawal tubes	
XT-LP (single and twin cell)	2 per cell
XT-LP (four-cell unit)	1 per cell
Float voltages	
XT-LP	2.20–2.25 volts per cell
XT-LCP	2.25–2.30 volts per cell
Container	Thermoplastic, transparent
Cover	High-impact, flame-retardant thermoplastic, with tongue-and-groove seal. Flammability ratings: UL 94-V0; ASTM D-635, self-extinguishing. Oxygen index > 28
Separator	Microporous, with fiberglass retaining wrap
Safety vent system	Flame-arrester with dust cover
Terminals	
XT-LP and XT-LCP (7 through 9 plates)	Two, hardened, lead-alloy chair terminals
XT-LP and XT-LCP (11 through 25 plates)	Two, 1-in square, copper-inserted posts with dual-bolt holes
XT-LP and XT-LCP (27 through 41 plates)	Four, 1-in square, copper-inserted posts with dual-bolt holes
XT-LP and XT-LCP (43 through 53 plates)	Six, 1-in square, copper-inserted posts with dual-bolt holes
Intercell connectors*	
XT-LP and XT-LCP (7 through 9 plates)	Welded intercell connectors
XT-LP and XT-LCP (11 through 15 plates)	Bolt-on intercell connectors—5/16-in threaded-copper inserts
XT-LP and XT-LCP (17 through 25 plates)	Bolt-on intercell connectors—1-in square, copper-inserted posts
XT-LP and XT-LCP (27 through 53 plates)	N/A
Optional container	Transparent, flame-retardant polycarbonate. Oxygen index > 25. Flammability ratings: UL 94-HB; ASTM D-635-68, self-extinguishing

*See RS-1476 for connection hardware details.

Models	Unit dimensions in (mm)			Unit weight lbs (kgs)		Electrolyte per cell lbs (kgs)
	L	W	H	Net filled	Dom. packed	
XT4LP-7 XT4LP-9	10.08 (256)	14.12 (359)	22.75 (578)	254 (115) 304 (138)	269 (122) 319 (145)	15 (6.8) 14 (6.4)
XT4LP-11 XT4LP-13 XT4LP-15	15.00 (381)			432 (196) 482 (219) 535 (243)	444 (202) 499 (227) 549 (250)	22 (10.0) 21 (9.5) 20 (9.1)
XT2LP-17 XT2LP-19 XT2LP-21 XT2LP-23 XT2LP-25	12.10 (307)			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)
XT1LP-27 XT1LP-29	7.62 (194)			248 (113) 250 (118)	264 (120) 275 (125)	42 (19.1) 40 (18.2)
XT1LP-31 XT1LP-33	8.88 (226)			283 (129) 294 (134)	300 (136) 311 (141)	46 (20.9) 44 (20.0)
XT1LP-35 XT1LP-37 XT1LP-39 XT1LP-41	10.62 (270)			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)
XT1LP-43 XT1LP-45 XT1LP-47 XT1LP-49 XT1LP-51 XT1LP-53	13.14 (334)			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 @ 77F (25C) (includes connector voltage drop)							Nominal rates to 1.67 Vpc average 1.215 specific gravity @ 77F (25C) (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	XT4LP-7	291	279	265	198	295	397	554	0.384	0.606	0.810	1.164
8	XT4LP-9	388	372	348	261	390	523	731	0.506	0.799	1.068	1.536
8	XT4LP-11	485	465	439	330	493	661	924	0.640	1.010	1.349	1.941
8	XT4LP-13	582	558	527	396	591	793	1109	0.768	1.212	1.619	2.329
8	XT4LP-15	679	651	610	457	683	916	1280	0.886	1.399	1.869	2.688
4	XT2LP-17	776	744	715	535	786	1025	1353	1.043	1.610	2.136	2.941
4	XT2LP-19	873	837	821	602	884	1153	1523	1.173	1.812	2.403	3.308
4	XT2LP-21	970	930	895	669	982	1282	1692	1.303	2.013	2.670	3.676
4	XT2LP-23	1067	1023	983	736	1081	1410	1861	1.434	2.214	2.937	4.044
4	XT2LP-25	1152	1104	1040	778	1154	1505	1967	1.516	2.341	3.105	4.275
2	XT1LP-27	1261	1209	1174	875	1282	1665	2199	1.710	2.625	3.471	4.779
2	XT1LP-29	1358	1302	1251	932	1365	1775	2344	1.812	2.798	3.699	5.092
2	XT1LP-31	1455	1395	1354	1009	1478	1922	2538	1.962	3.029	4.005	5.514
2	XT1LP-33	1552	1488	1431	1065	1560	2028	2678	2.071	3.197	4.227	5.820
2	XT1LP-35	1649	1581	1536	1144	1676	2178	2876	2.224	3.433	4.539	6.249
2	XT1LP-37	1746	1674	1627	1211	1774	2307	3045	2.355	3.635	4.806	6.617
2	XT1LP-39	1843	1767	1716	1278	1872	2434	3214	2.486	3.837	5.073	6.984
2	XT1LP-41	1940	1860	1787	1331	1950	2536	3348	2.589	3.997	5.284	7.275
2	XT1LP-43	2037	1953	1878	1398	2048	2662	3515	2.718	4.196	5.548	7.638
2	XT1LP-45	2134	2046	1966	1465	2145	2789	3683	2.848	4.396	5.812	8.002
2	XT1LP-47	2231	2139	2035	1515	2219	2885	3809	2.946	4.547	6.012	8.227
2	XT1LP-49	2328	2232	2100	1564	2290	2978	3932	3.041	4.694	6.206	8.544
2	XT1LP-51	2425	2326	2163	1611	2360	3069	4051	3.133	4.836	6.394	8.803
2	XT1LP-53	2496	2392	2225	1657	2427	3156	4167	3.223	4.974	6.577	9.055

Note: Data above is for 1.215 nominal specific gravity. Batteries are offered in 1.215 and 1.250 specific gravities. For batteries with 1.250 specific gravity, use indicator "C" with battery type. For example: XT4LCP-7 identifies 1.250 specific gravity. XT4LP-7 identifies 1.215 specific gravity.

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

For information on battery racks, please refer to Brochure 12-560.

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