

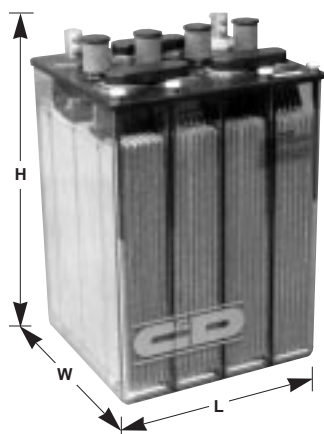
CD & TECHNOLOGIES

Power Solutions

XT SERIES



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

- 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
- 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	2,700 events
0.5 to 1.5 minutes	525 events
1.5 to 4.0 minutes	206 events
4.0 to 15.0 minutes	94 events

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

SPECIFICATIONS

Plates	XT-J and XT-JC	XT-K and XT-KC	XT-L and XT-LC
Height	9.0 in (229 mm)	11.38 in (289 mm)	15.62 in (397 mm)
Width	8.75 in (222 mm)	8.75 in (222 mm)	12.62 in (321 mm)
Positive thickness	0.16 in (4.1 mm)	0.16 in (4.1 mm)	0.20 in (5.1 mm)
Negative thickness	0.12 in (3.0 mm)	0.12 in (3.0 mm)	0.12 in (3.0 mm)
Electrolyte height above plates	1.7 in (43 mm)	2.0 in (50.8 mm)	2.25 in (57 mm)
Sediment space	0.88 in (22 mm)	0.75 in (19.1 mm)	0.63 in (16 mm)
Electrolyte @ 77F (25C) XT-J, XT-K, and XT-L XT-JC, XT-KC, and XT-LC	Sulfuric acid, 1.215 specific gravity nominal Sulfuric acid, 1.250 specific gravity nominal		
Electrolyte withdrawal tubes XT-J, XT-K, and XT-L (single and twin cell) XT-L (four-cell units)	2 per cell 1 per cell		
Float voltages XT-J, XT-K, and XT-L XT-JC, XT-KC, and XT-LC	2.20–2.25 volts per cell 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 mat		
Safety vent system	Flame-arrester with dust cover		
Terminals XT-J, XT-JC, XT-K, XT-KC, XT-L, XT-LC XT-L and XT-LC (11 through 25 plates) XT-L and XT-LC (27 through 41 plates) XT-L and XT-LC (43 through 53 plates)	Two, hardened, lead-alloy chair terminals Two, 1-in square, copper-inserted posts with dual-bolt holes Four, 1-in square, copper-inserted posts with dual-bolt holes Six, 1-in square, copper-inserted posts with dual-bolt holes		
Intercell connectors* XT-J, XT-JC, XT-K, XT-KC XT-L and XT-LC (7 through 9 plates) XT-L and XT-LC (11 through 15 plates) XT-L and XT-LC (17 through 25 plates) XT-L and XT-LC (27 through 53 plates)	Welded intercell connectors Welded intercell connectors Bolt-on intercell connectors—5/16-in threaded-copper inserts Bolt-on intercell connectors—1-in square, copper inserted posts 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	
XT4J-7 XT4J-9 XT4J-11	10.28 (261)	10.00 (254)	14.81 (376)	113 (51) 129 (59) 145 (66)	122 (55) 138 (63) 154 (70)	6.8 (3.1) 6.3 (2.9) 5.8 (2.6)
XT3K-11	8.53 (217)	10.44 (265)	18.25 (463)	145 (66)	155 (70)	12 (5.4)
XT4L-7 XT4L-9	10.08 (256)	14.12 (359)	22.75 (578)	254 (115) 304 (138)	269 (122) 319 (145)	15 (6.8) 14 (6.4)
XT4L-11 XT4L-13 XT4L-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)
XT2L-17 XT2L-19 XT2L-21 XT2L-23 XT2L-25	12.10 (307)			342 (155) 365 (166) 390 (177) 415 (189) 440 (200)	359 (163) 382 (174) 407 (185) 432 (196) 457 (208)	44 (20.0) 43 (19.5) 42 (19.1) 41 (18.6) 40 (18.2)
XT1L-27 XT1L-29	7.62 (194)			248 (113) 259 (118)	264 (120) 275 (125)	42 (19.1) 40 (18.2)
XT1L-31 XT1L-33	8.88 (226)			283 (129) 294 (134)	300 (136) 311 (141)	46 (20.9) 44 (20.0)
XT1L-35 XT1L-37 XT1L-39 XT1L-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)
XT1L-43 XT1L-45 XT1L-47 XT1L-49 XT1L-51 XT1L-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	XT4J-7	105	102	99	77	124	178	275	0.150	0.253	0.369	0.597
8	XT4J-9	140	136	129	102	164	234	363	0.197	0.334	0.487	0.788
8	XT4J-11	175	170	159	125	200	286	443	0.241	0.408	0.595	0.962
6	XT3K-11	260	245	225	165	255	355	538	0.314	0.506	0.724	1.161
8	XT4L-7	306	294	279	209	311	418	584	0.404	0.638	0.852	1.226
8	XT4L-9	408	392	366	275	411	551	770	0.533	0.841	1.124	1.617
8	XT4L-11	510	490	462	348	519	696	973	0.673	1.063	1.420	2.043
8	XT4L-13	612	588	555	417	622	835	1167	0.808	1.275	1.704	2.451
8	XT4L-15	714	686	642	482	719	964	1347	0.933	1.472	1.968	2.830
4	XT2L-17	816	784	753	564	827	1079	1425	1.098	1.695	2.248	3.096
4	XT2L-19	918	882	864	634	931	1214	1603	1.235	1.907	2.529	3.483
4	XT2L-21	1020	980	942	705	1034	1349	1781	1.372	2.119	2.810	3.870
4	XT2L-23	1122	1078	1035	775	1138	1484	1959	1.509	2.331	3.092	4.256
4	XT2L-25	1212	1164	1107	828	1215	1584	2092	1.612	2.489	3.302	4.546
2	XT1L-27	1326	1274	1236	921	1349	1753	2315	1.790	2.764	3.654	5.030
2	XT1L-29	1428	1372	1317	981	1437	1868	2467	1.908	2.945	3.893	5.360
2	XT1L-31	1530	1470	1425	1062	1556	2023	2671	2.066	3.189	4.216	5.804
2	XT1L-33	1632	1568	1506	1121	1642	2135	2819	2.180	3.365	4.449	6.126
2	XT1L-35	1734	1666	1617	1204	1764	2293	3028	2.341	3.614	4.778	6.578
2	XT1L-37	1836	1764	1713	1275	1867	2428	3206	2.479	3.826	5.059	6.965
2	XT1L-39	1938	1862	1806	1346	1971	2562	3384	2.617	4.039	5.340	7.352
2	XT1L-41	2040	1960	1881	1402	2053	2669	3524	2.725	4.207	5.562	7.658
2	XT1L-43	2142	2058	1977	1472	2156	2802	3701	2.862	4.417	5.840	8.040
2	XT1L-45	2244	2156	2070	1542	2258	2936	3877	2.998	4.628	6.118	8.423
2	XT1L-47	2346	2254	2142	1595	2336	3037	4010	3.101	4.786	6.328	8.712
2	XT1L-49	2448	2352	2211	1646	2411	3135	4139	3.201	4.941	6.532	8.994
2	XT1L-51	2550	2450	2277	1696	2484	3230	4265	3.298	5.091	6.730	9.266
2	XL1L-53	2626	2522	2343	1744	2555	3322	4387	3.392	5.236	6.923	9.531

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: XT4JC-7 identifies 1.250 specific gravity. XT4J-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 initial shipment. Quality Assurance Certification of test results is available at a nominal fee.

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

POWERCOM DIVISION

1400 UNION MEETING ROAD
P.O. BOX 3053
BLUE BELL, PA 19422-0858
(215) 619-2700 • FAX (215) 619-7899
(800) 543-8630
powercom@cdtechno.com
www.cdpowercom.com

Specifications are subject to change without notice. Contact your nearest C&D sales office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied. Statements or suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement, and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required. Unless made explicitly in writing to the customer, C&D makes no representations or warranties regarding whether any product/technology purchased and/or specifications and/or literature regarding same are the most current or advanced version thereof; and C&D assumes no obligation to inform its customers of any revisions and/or improvements to such product, technology, specifications, and/or literature.

Copyright 1999 C&D TECHNOLOGIES, INC.

C&D TECHNOLOGIES, INC.