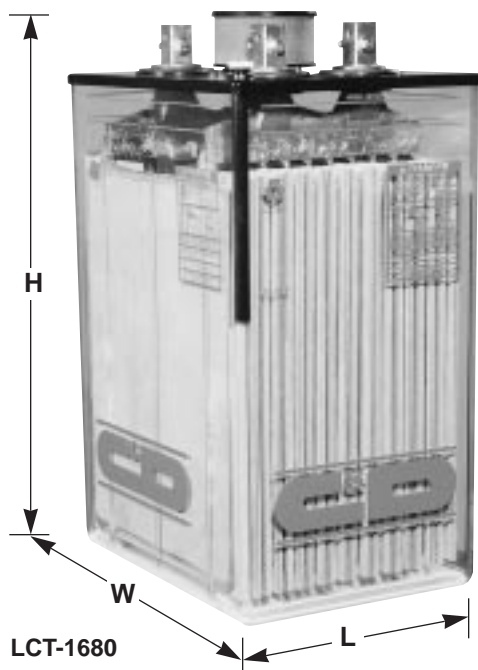


C&D TECHNOLOGIES

Power Solutions

LCT LEAD-CALCIUM LT LEAD-ANTIMONY

For telecommunications applications
Capacities from 840 to 2320 Ampere-hours



FEATURES AND BENEFITS

- Flame-retardant covers enhance battery plant safety
- Transparent container allows visual inspection of plates
- Low-evaporation, flame-arrester vent
- Vacuum-assisted, bottom-pour, positive-grid casting assures plate quality and long life
- Soft rubber post seal minimizes stress on post
- Proprietary expander enables stable and uniform float operation
- Fits standard telecom requirements
- Cross-drilled posts for positioning plates perpendicular or parallel to the rack

SPECIFICATIONS

Plates	Height	Width	Thickness
Positive	15 in (381 mm)	12 in (305 mm)	.312 in (7.9 mm)
Negative	15 in (381 mm)	12 in (305 mm)	.210 in (5.3 mm)
Outside negative	15 in (381 mm)	12 in (305 mm)	.120 in (3.1 mm)
Electrolyte height above plates	2.875 in (73 mm)		
Sediment space	0.63 in (16 mm)		
Electrolyte at 77F (25C)	Sulfuric acid, 1.215 specific gravity nominal		
Float voltages	2.20–2.25 volts per cell (calcium); 2.15–2.17 volts per cell (antimony)		
Container*	Thermoplastic, transparent, polycarb and SAN available		
Cover	High-impact, flame-retardant thermoplastic (PVC), with tongue-and-groove seal. Flammability ratings: UL 94-V0; LOI > 33; ASTM D-635 self-extinguishing		
Separator	Microporous with fibrous glass mat		
Safety vent system	Flame-arrester type		
Terminals	Four, 1-in (25 mm) square posts per cell. Two, 1-in (25 mm) square posts per cell for cell types, 2LCT-840/2LT-840		
Withdrawal tubes	Two per cell		
*Optional container (for 840–1680 only)	High-impact, flame-retardant thermoplastic (PVC). Flammability ratings: UL 94-HB; LOI > 25		

Final volts	Battery models	Nominal rates at 77F (25C) (includes connector voltage drop) Amps per cell										
		24 Hr	10 Hr	8 Hr	6 Hr	5 Hr	4 Hr	3 Hr	2 Hr	1.5 Hr	1 Hr	.5 Hr
		1.90	LCT/LT-840	34	66	80	98	105	123	143	173	190
	LCT/LT-1008	40	79	96	117	126	147	171	207	228	252	279
	LCT/LT-1176	47	92	112	137	147	172	200	242	266	294	326
	LCT/LT-1344	54	106	128	156	168	196	228	276	304	336	372
	LCT/LT-1680	67	132	160	195	210	245	285	345	380	420	465
	LCT/LT-1848	74	145	176	215	231	270	314	380	418	462	512
	LCT/LT-2016	80	158	192	234	252	294	342	414	456	504	558
	LCT/LT-2175	86	169	206	260	284	336	398	481	530	586	642
	LCT/LT-2320	86	169	220	278	302	359	424	513	565	625	744
1.88	LCT/LT-840	36	71	85	103	115	133	155	190	210	235	268
	LCT/LT-1008	43	85	102	123	138	159	186	228	252	282	321
	LCT/LT-1176	50	99	119	144	161	186	217	266	294	329	375
	LCT/LT-1344	57	114	136	164	184	212	248	304	336	376	428
	LCT/LT-1680	71	142	170	205	230	265	310	380	420	470	535
	LCT/LT-1848	78	156	187	226	253	292	341	418	462	517	589
	LCT/LT-2016	85	170	204	246	276	318	372	456	504	564	642
	LCT/LT-2175	85	170	219	274	311	364	432	530	586	656	803
	LCT/LT-2320	91	182	234	292	331	388	461	565	625	699	856
1.86	LCT/LT-840	38	77	91	110	123	140	168	208	230	265	300
	LCT/LT-1008	45	92	109	132	147	168	201	249	276	318	360
	LCT/LT-1176	53	107	127	154	172	196	235	291	322	371	420
	LCT/LT-1344	60	122	145	176	196	224	268	332	368	424	480
	LCT/LT-1680	75	153	181	220	245	280	335	415	460	530	600
	LCT/LT-1848	83	168	199	242	270	308	369	457	506	583	660
	LCT/LT-2016	90	184	217	264	294	336	402	498	552	636	720
	LCT/LT-2175	90	184	233	294	331	384	467	579	642	739	900
	LCT/LT-2320	96	196	249	313	353	410	498	618	685	789	960
1.84	LCT/LT-840	39	80	95	115	128	150	175	220	250	290	335
	LCT/LT-1008	47	95	114	138	153	180	210	264	300	348	402
	LCT/LT-1176	55	111	133	161	179	210	245	308	350	406	469
	LCT/LT-1344	62	127	152	184	204	240	280	352	400	464	536
	LCT/LT-1680	78	159	190	230	255	300	350	440	500	580	670
	LCT/LT-1848	86	175	209	253	281	330	385	484	550	638	737
	LCT/LT-2016	94	191	228	276	306	360	420	528	600	696	804
	LCT/LT-2175	94	191	245	307	344	412	488	614	698	809	1005
	LCT/LT-2320	100	204	261	328	367	439	521	655	744	863	1072
1.80	LCT/LT-840	41	85	101	123	138	163	193	243	280	333	403
	LCT/LT-1008	49	101	121	147	165	195	231	291	336	399	483
	LCT/LT-1176	57	118	141	172	193	228	270	340	392	466	564
	LCT/LT-1344	66	135	161	196	220	260	308	388	448	532	644
	LCT/LT-1680	82	169	201	245	275	325	385	485	560	665	805
	LCT/LT-1848	90	186	221	270	303	358	424	534	616	732	886
	LCT/LT-2016	98	203	241	294	330	390	462	582	672	798	966
	LCT/LT-2175	98	203	259	327	371	446	537	677	781	928	1208
	LCT/LT-2320	105	216	277	349	396	476	573	722	833	990	1288
1.78	LCT/LT-840	42	86	103	125	140	165	198	250	295	352	433
	LCT/LT-1008	50	103	123	150	168	198	237	300	354	422	519
	LCT/LT-1176	58	120	144	175	196	231	277	350	413	492	606
	LCT/LT-1344	66	138	164	200	224	264	317	400	472	562	692
	LCT/LT-1680	83	172	205	250	280	330	396	500	590	703	865
	LCT/LT-1848	91	189	226	275	308	363	435	550	649	774	952
	LCT/LT-2016	100	206	246	300	336	396	475	600	708	844	1038
	LCT/LT-2175	100	206	264	334	378	453	544	698	823	981	1298
	LCT/LT-2320	106	220	282	356	403	483	580	744	878	1046	1384
1.75	LCT/LT-840	43	89	105	130	149	170	206	263	310	380	480
	LCT/LT-1008	51	106	126	156	179	204	247	315	372	456	576
	LCT/LT-1176	60	124	147	182	209	238	288	368	434	532	672
	LCT/LT-1344	68	142	168	208	228	272	329	420	496	608	768
	LCT/LT-1680	85	177	210	260	298	340	412	525	620	760	960
	LCT/LT-1848	94	195	231	286	328	374	453	578	682	836	1056
	LCT/LT-2016	102	212	252	312	358	408	484	630	744	912	1152
	LCT/LT-2175	102	212	272	347	396	467	575	732	865	1060	1440
	LCT/LT-2320	109	227	290	370	422	498	613	781	923	1131	1536

*Rates shown represent average values and are subject to IEEE-485 (6.2.4).

Type of battery (CPR code number)		Cells per unit	Plates per cell	Nominal rates at 77F (25C) (includes connector voltage drop)*				Overall dimensions			Approx. wt. lbs (kgs)		Electrolyte per cell lbs (kgs)	Pure sulfuric acid per cell lbs (kgs)
Calcium	Antimony			Ampere-hours				L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. packed		
				8 Hr	5 Hr	3 Hr	1 Hr							
2LCT-840 (164424)	2LT-840	2	11	840	745	617	380	12.10 (307)			322 (146)	343 (156)	45 (21)	13.5 (6.1)
LCT-840 (569631)	LT-840	1	11	840	745	617	380	7.62 (194)			183 (83)	213 (97)	65 (30)	19.5 (8.8)
LCT-1008	LT-1008	1	13	1008	894	741	456	7.62 (194)			200 (91)	230 (104)	63 (29)	18.9 (8.5)
LCT-1176 (161538)	LT-1176	1	15	1176	1043	864	532	7.62 (194)			217 (98)	247 (112)	60 (27)	18.0 (8.1)
LCT-1344	LT-1344	1	17	1344	1142	988	608	8.88 (226)			249 (113)	281 (127)	71 (32)	21.3 (9.6)
LCT-1680 (469228)	LT-1680 (569633)	1	21	1680	1490	1235	760	10.62 (270)	14.12 (359)	22.63 (575)	304 (138)	343 (156)	84 (38)	25.2 (11.4)
LCT-1848 (063784)	LT-1848	1	23	1848	1639	1358	836	13.14 (334)			345 (156)	385 (175)	104 (47)	31.2 (14.1)
LCT-2016 (569639)	LT-2016	1	25	2016	1788	1482	912	13.14 (334)			362 (164)	402 (182)	101 (46)	30.3 (13.7)
LCT-2175 (469645)	LT-2175	1	31	2175	1980	1725	1060	13.14 (334)			384 (174)	407 (185)	94 (43)	28.2 (12.7)
LCT-2320	LT-2320	1	33	2320	2112	1840	1131	13.14 (334)			401 (182)	424 (192)	92 (42)	27.6 (12.5)

Note: Electrolyte weighs approximately 10 lbs per gallon (1.210 kgs per liter).

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.