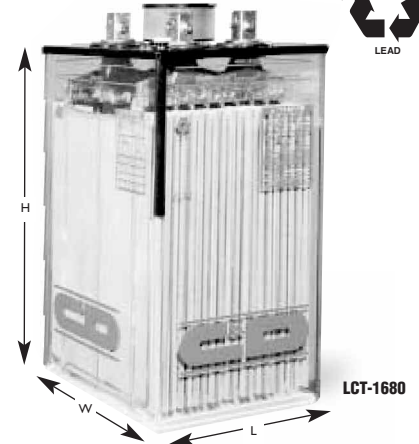




# LCT LEAD-CALCIUM LT LEAD-ANTIMONY

## FOR TELECOMMUNICATIONS APPLICATIONS CAPACITIES FROM 840 TO 2320 AMPERE-HOURS



C&D Technologies' Standby Power Division flooded batteries are engineered to provide superior performance and reliability over the life of the product. These batteries are designed using proprietary techniques and quality components and materials for reduced maintenance and extended battery life.

### FEATURES AND BENEFITS

#### RELIABILITY

- Proprietary vacuum-assisted, bottom-pour, positive-grid casting assures void-free grid quality resulting in long service life
- Waterbath charging results in consistently formed plates for reliable performance out of the box (no cycling required in the field)
- Proprietary expander enables stable and uniform float voltages (down to 2.17 Vpc), reducing the need to equalize and resulting in proven 20-year service life
- Suspended positive plate permits free growth without pressure on jar and cover

#### SAFE OPERATION

- Flame-retardant covers enhance battery plant safety with self-extinguishing properties LOI >32%, UL 94V-0
- Low-evaporation, flame-arrester vent to extend watering intervals and prevent

external sparks from reacting with the hydrogen inside the cell

- NEBS approved battery systems (cells and racks) that meet telecom companies' specifications
- Narrow 17" (43.18 cm) depth racks available – NEBS qualified

#### COST SAVINGS

- Transparent container allows visual inspection of plates
- Soft rubber post seal minimizes stress on post reducing maintenance requirements
- Computer controlled heli-arc welded post seal results in consistent and reliable seal for less maintenance and longer product life
- No requirement for periodic specific gravity readings

### SPECIFICATIONS

Plates	Height	Width	Thickness
Positive	15.00 in (381 mm)	12.00 in (305 mm)	0.312 in (7.9 mm)
Negative	15.00 in (381 mm)	12.00 in (305 mm)	0.210 in (5.3 mm)
Outside negative	15.00 in (381 mm)	12.00 in (305 mm)	0.120 in (3.1 mm)
Float voltages	2.17– 2.22 volts per cell (calcium); 2.15-2.18 volts per cell (antimony)		
Electrolyte at 77F (25C)	Sulfuric acid, 1.215 specific gravity nominal		
Electrolyte height above plates	2.875 in (73 mm)		
Sediment space	0.63 in (16 mm)		
Container*	Thermoplastic, transparent, polycarbonate and SAN available		
Cover	High-impact, flame-retardant thermoplastic (PVC), with tongue-and-groove seal Flammability ratings: UL 94V-0; LOI >32; 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 (except 2LCT-840)	High-impact, flame-retardant thermoplastic (PVC) Flammability ratings: UL 94V-0; LOI > 32		

**Nominal Rates at 77F (25C) and 1.215 Specific Gravity • (includes connector voltage drop) • Amperes**

Final volts	Battery models	24 Hr	10 Hr	8 Hr	6 Hr	5 Hr	4 Hr	3 Hr	2 Hr	1.5 Hr	1 Hr	30 Min
1.90	2LCT/LT-840	34	67	79	96	108	123	143	172	189	210	232
	LCT/LT-840	34	67	79	96	108	123	143	172	189	210	232
	LCT/LT-1008	40	81	95	115	129	147	172	206	227	252	279
	LCT/LT-1176	47	94	110	134	151	172	201	240	265	294	325
	LCT/LT-1344	54	108	126	153	172	196	229	275	303	336	372
	LCT/LT-1680	67	134	158	192	215	246	287	343	379	420	465
	LCT/LT-1848	74	148	173	211	237	270	315	377	417	461	511
	LCT/LT-2016	81	161	189	230	258	295	344	412	455	503	557
	LCT/LT-2175	80	162	190	233	263	303	358	433	480	533	589
	LCT/LT-2320	85	172	203	249	281	324	381	462	512	568	628
1.88	2LCT/LT-840	36	72	85	103	116	133	156	188	210	236	267
	LCT/LT-840	36	72	85	103	116	133	156	188	210	236	267
	LCT/LT-1008	43	87	102	124	139	160	187	226	251	283	320
	LCT/LT-1176	50	101	119	145	163	186	218	263	293	330	373
	LCT/LT-1344	57	116	136	165	186	213	249	301	335	377	426
	LCT/LT-1680	72	144	170	207	232	266	311	376	419	471	533
	LCT/LT-1848	79	159	187	227	256	293	342	414	461	518	586
	LCT/LT-2016	86	173	204	248	279	319	374	451	503	565	640
	LCT/LT-2175	85	176	209	259	295	343	410	507	569	641	718
	LCT/LT-2320	90	188	223	276	315	366	438	541	607	683	766
1.86	2LCT/LT-840	38	76	90	110	124	142	167	205	231	263	302
	LCT/LT-840	38	76	90	110	124	142	167	205	231	263	302
	LCT/LT-1008	45	92	108	132	148	170	201	246	277	315	362
	LCT/LT-1176	53	107	126	154	173	199	234	287	323	368	423
	LCT/LT-1344	60	122	144	175	198	227	268	328	369	420	483
	LCT/LT-1680	76	153	180	219	247	284	335	409	461	525	604
	LCT/LT-1848	83	168	198	241	272	312	368	450	507	578	664
	LCT/LT-2016	91	183	216	263	297	341	402	491	553	630	724
	LCT/LT-2175	90	191	228	285	327	383	463	581	658	748	847
	LCT/LT-2320	96	203	243	304	349	409	494	619	702	798	903
1.84	2LCT/LT-840	39	80	94	115	130	150	177	220	250	288	336
	LCT/LT-840	39	80	94	115	130	150	177	220	250	288	336
	LCT/LT-1008	47	96	113	138	156	180	213	263	299	346	403
	LCT/LT-1176	55	112	132	161	182	209	248	307	349	403	470
	LCT/LT-1344	63	127	150	184	208	239	284	351	399	461	537
	LCT/LT-1680	79	159	188	230	260	299	355	439	499	576	671
	LCT/LT-1848	86	175	207	253	286	329	390	483	549	633	738
	LCT/LT-2016	94	191	225	276	311	359	426	527	599	691	806
	LCT/LT-2175	93	199	238	299	342	402	487	616	706	816	945
	LCT/LT-2320	99	212	254	319	365	429	519	657	753	870	1,008
1.80	2LCT/LT-840	41	84	100	123	139	161	193	243	282	333	399
	LCT/LT-840	41	84	100	123	139	161	193	243	282	333	399
	LCT/LT-1008	50	101	120	147	167	193	231	292	336	400	479
	LCT/LT-1176	58	118	140	172	194	225	270	341	394	466	559
	LCT/LT-1344	66	135	159	196	222	258	308	389	450	533	639
	LCT/LT-1680	83	169	199	245	278	322	386	487	563	666	799
	LCT/LT-1848	91	185	219	270	306	354	424	535	619	733	878
	LCT/LT-2016	99	202	239	294	333	386	463	584	676	799	958
	LCT/LT-2175	99	213	256	322	370	436	532	682	794	943	1,137
	LCT/LT-2320	105	227	274	344	395	465	567	728	847	1,006	1,213
1.75	2LCT/LT-840	43	88	105	129	147	171	206	264	311	380	476
	LCT/LT-840	43	88	105	129	147	171	206	264	311	380	476
	LCT/LT-1008	52	106	126	155	176	205	247	317	373	456	571
	LCT/LT-1176	60	124	147	181	205	239	288	370	436	532	666
	LCT/LT-1344	69	141	168	206	235	273	329	423	498	608	761
	LCT/LT-1680	86	177	210	258	293	341	412	528	622	761	952
	LCT/LT-1848	95	194	231	284	323	375	453	581	685	837	1,047
	LCT/LT-2016	103	212	252	310	352	409	494	634	747	913	1,142
	LCT/LT-2175	104	224	272	339	389	458	559	722	849	1,036	1,327
	LCT/LT-2320	111	239	290	361	415	489	596	770	906	1,105	1,416

\*Rates shown represent average values and are subject to IEEE-485 (6.2.4). Additional ratings available on the C&D Technologies Standby Power Division Battery Selection Application Program at [www.cdpower.com.net](http://www.cdpower.com.net).

Type of battery (CPR code number) Calcium Antimony	Cells per unit	Plates per cell	Nominal rates at 77F (25C) (includes connector voltage drop) Ampere-hours 8 Hr	Dimensions			Approx. wt. lbs (kg)		Electrolyte per cell gal (l)	
				L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. packed		
2LCT-840 (164424)	2LT-840	2	11	840	12.10 (307)	14.12 (359)	22.70 (577)	322 (146)	343 (156)	4.4 (16.6)
LCT-840 (569631)	LT-840	1	11	840	7.62 (194)			183 (83)	213 (97)	6.4 (24.2)
LCT-1008	LT-1008	1	13	1,008				200 (91)	230 (104)	6.2 (23.5)
LCT-1176 (161538)	LT-1176	1	15	1,176				217 (98)	247 (112)	5.9 (22.3)
LCT-1344 (205426)	LT-1344	1	17	1,344	8.88 (226)			249 (113)	281 (127)	7.0 (26.5)
LCT-1680 (469228)	LT-1680 (569633)	1	21	1,680				10.62 (270)	304 (138)	343 (156)
LCT-1848 (063784)	LT-1848	1	23	1,848	13.14 (334)			345 (156)	385 (175)	10.3 (39.0)
LCT-2016 (569639)	LT-2016	1	25	2,016				362 (164)	402 (182)	10.0 (37.9)
LCT-2175 (469645)	LT-2175	1	31	2,175				384 (174)	407 (185)	9.3 (35.2)
LCT-2320 (205437)	LT-2320	1	33	2,320				401 (182)	424 (192)	9.1 (34.4)

Note: Electrolyte weighs approximately 10 lbs per gallon (1.215 kg per liter).

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

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