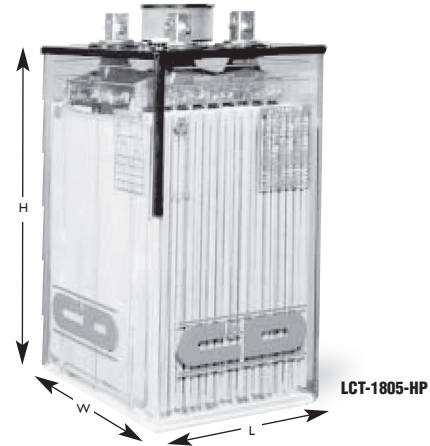




# LCT-HP LEAD-CALCIUM

## FOR TELECOMMUNICATIONS APPLICATIONS CAPACITIES FROM 1680 TO 1805 AMPERE-HOURS



LCT-1805-HP

C&D Technologies' Power Systems 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

- Electrical testing to 95 percent capacity on every cell prior to shipping assures performance of every battery upon delivery
- 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)
- Suspended positive plate permits free growth without pressure on jar and cover

#### SAFE OPERATION

- Flame-retardant covers and jars 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

- LCT-1805HP offers 1805 Ampere-hours in a traditional LCT-1680 jar size
- 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

### 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)
Float voltage	2.20–2.23 volts per cell		
Electrolyte at 77F (25C)	Sulfuric acid, 1.215 specific gravity nominal		
Sediment space	0.63 in (16.0 mm)		
Container	PVC (UL94 V-0, LOI>32) - Standard		
Cover	PVC (UL94 V-0, LOI>32) - Standard		
Terminals	Four, 1-in (25 mm) square posts with single bolt holes		

**SPECIFICATIONS**

Model	Overall dimensions			Approx. wt. lbs (kg) <sup>1</sup>		Electrolyte per cell gal (l)	Part Number
	L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. Packed		
LCT-1680HP	10.63 (270)	14.13 (359)	22.63 (575)	310 (141)	330 (150)	8.3 (31.4)	CW17777-PVC
LCT-1805HP				325 (147)	345 (157)	8.1 (30.7)	CW17778-PVC

Notes: 1. Electrolyte weights approximately 10 lbs per gallon (1.210 kg per liter).  
2. Height is to top of the post.

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

FV/Cell	Model	1 Hr	2 Hr	3 Hr	4 Hr	5 Hr	6 Hr	8 Hr	10 Hr	12 Hr	24 Hr
1.90	LCT-1680HP	366	312	268	233	205	183	150	127	110	62
	LCT-1805HP	415	353	300	257	225	199	162	137	119	67
1.88	LCT-1680HP	457	376	313	266	231	204	166	141	122	69
	LCT-1805HP	506	409	337	285	247	217	176	148	128	71
1.86	LCT-1680HP	514	403	329	279	243	215	176	149	130	74
	LCT-1805HP	566	443	363	307	266	234	190	160	138	76
1.84	LCT-1680HP	570	431	348	293	254	225	184	156	135	76
	LCT-1805HP	627	477	385	324	280	246	199	168	145	80
1.81	LCT-1680HP	652	471	373	311	269	237	193	163	141	79
	LCT-1805HP	718	519	410	342	294	258	209	176	152	84
1.78	LCT-1680HP	722	507	398	331	285	251	203	171	149	83
	LCT-1805HP	795	554	433	359	308	270	218	184	159	88
1.75	LCT-1680HP	762	529	414	344	295	259	210	176	152	84
	LCT-1805HP	840	579	452	374	320	280	226	189	163	90

\*Products ship at 95% of the above published ratings. Additional ratings available on the C&D Technologies Power Systems Division Battery Selection Application at [www.cdpowercom.net](http://www.cdpowercom.net).

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

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