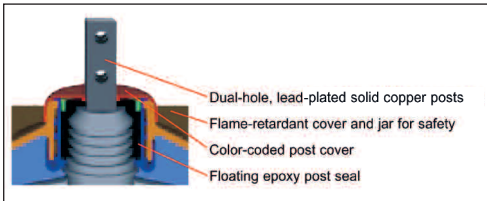




# LCT II-1700 LEAD-CALCIUM A PREMIUM STANDBY BATTERY FOR TELECOMMUNICATIONS APPLICATIONS



C&D Technologies' Standby Power Division, an experienced manufacturer of round cells, introduces the LCT II-1700. This flooded battery incorporates proven and reliable floating epoxy post seal design and features solid copper posts to improve short duration (less than 5 hrs) rates up to 12% over comparable products. This combination makes the LCT II-1700 a superior, high quality, reliable long-life battery for today's standby applications. LCT II-1700 comes with a 25 year warranty: 5-year full and 20-year pro-rata.



## FEATURES AND BENEFITS

### RELIABILITY

- Proprietary design results in 12% increase in performance in short duration (< 5 hrs), high rate applications
- Unique Floating Epoxy Post Seal construction provides leak-free operation throughout the product life
- 30% greater jar-to-cover seal area reduces leaks for trouble-free operation
- 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
- 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
- No requirement for periodic specific gravity readings
- 50% reduction in the quantity of posts for reduced installation and maintenance costs
- Double-hole, cross-drilled posts for plates parallel or perpendicular to the rack installation
- Lead-plated solid copper posts for low maintenance; bolt-on connections require minimal retorquing
- Redundant connectors standard for continuous operation for increased up-time and maintainability

## SPECIFICATIONS

Plates	Height	Width	Thickness
Positive	14.88 in (378 mm)	12.50 in (317 mm)	0.300 in (7.6 mm)
Negative	15.00 in (9381 mm)	12.50 in (317 mm)	0.175 in (4.5 mm)
Plates per cell	23 (11 positive, 12 negative)		
Float voltage	2.17-2.22 Vpc		
Electrolyte at 77F (25C)	Sulfuric acid, 1.215 specific gravity nominal		
Electrolyte height above plates	2.875 in (73 mm)		
Sediment space	0.75 in (19 mm)		
Container	Thermoplastic, transparent flame-retardant PVC standard meets UL 94V-0 rating and LOI>32%		
Cover	High-impact, flame-retardant thermoplastic		
Separator	Microporous with fibrous glass mat		
Safety vent system	Flame-arrester type		
Terminals	Two, 3/4" square (19 mm) square lead-plated copper posts with 2 holes per side		
Product Information	Item number CW17463-PVC CPR number 203660		

## SPECIFICATIONS

Overall dimensions			Approx. wt. lbs (kg) <sup>1</sup>		Electrolyte per cell gal (l)
L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. Packed	
10.62 (270)	14.12 (359)	23.60 (599)	320 (145)	343 (156)	8.3 (31.4)

Notes: 1. Electrolyte weights approximately 10 lbs per gallon (1.215 kg per liter).  
 2. Height is to top of the post.

## Nominal Rates 77F (25C) and 1.215 Specific Gravity • Amperes

Final Volts	24 Hr	10 Hr	8 Hr	6 Hr	5 Hr	4 Hr	3 Hr	2 Hr	1 Hr	30 Min
1.90	67	135	160	197	224	259	306	364	426	456
1.88	72	145	172	211	240	277	328	399	488	536
1.86	75	154	182	224	254	295	353	438	556	622
1.84	79	161	191	236	268	311	373	467	611	698
1.81	82	171	204	252	288	335	404	514	704	841
1.78	83	174	208	258	294	343	415	529	741	908
1.75	85	179	213	265	303	355	430	554	796	1009

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

## LCT II-1700 Flooded Batteries • 48V Systems • Battery Rack/Stand & Accessories Kit

Config.	Accessories for this config.	Number of Cells	UBC Zone - 0 Standard Rack	UBC Zones 1-2B EP-1 Rack	UBC Zones 3-4 EP-2 Rack	Bellcore Zone 3	Bellcore Zone 4	Pac Bell Zone 4	NEBS Zone 4
2T/2R (S-S)	RE04148	24 [6/row]	RD02388-05.7	RD02389-05.7EP1	RD02242-06BC3	RD02242-06BC3	RD02242-06BC4	N/A	RD02242-06N4
2T/2R (E-E)	RE04149	24 [6/row]	RD02247-7.5	RD02206-7.5BC3	RD02206-7.5BC3	RD02206-7.5BC3	RD02206-7.5BC4	N/A	RD02206-7.5N4
2T/2R (S-S)	[2] RE04150	48 [12/row]	RD02388-11.2	RD02389-11.2EP1	RD02242-11BC3	RD02242-11BC3	RD02242-11BC4	[2] RD01340-12EP2	RD02242-11N4
2T/2R (E-E)	[2] RE04151	48 [12/row]	RD02247-15	RD02206-15BC3	RD02206-15BC3	RD02206-15BC3	RD02206-15BC4	RD01372-15EP2	RD02206-15N4
2T/1R (S-S)	RE04150	24 [12/row]	RDB0901-12	RDB0901-12EP1	RDB0901-12EP2	RD02241-11BC3	RD02241-11BC4	RD01340-12EP2	RD02241-11N4
2T/1R (E-E)	RE04151	24 [12/row]	RD02243-15	RD02205-15BC3	RD02205-15BC3	RD02205-15BC3	RD02205-15BC4	RD01289-15EP2	RD02205-15N4

Notes: (E-E) = Cells placed End-to-End, or with Plates Parallel to Rails  
 (S-S) = Cells placed Side-to-Side, or with Plates Perpendicular to Rails

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