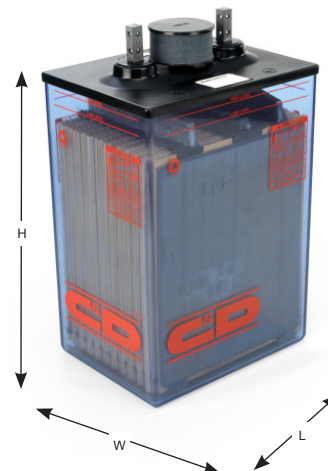
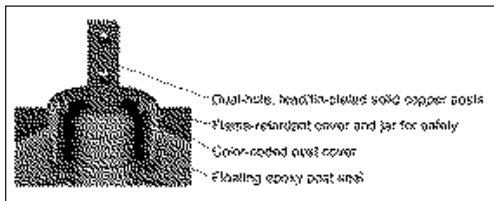




# LCT II-1700 LEAD-CALCIUM A PREMIUM STANDBY BATTERY FOR TELECOMMUNICATIONS APPLICATIONS



C&D Technologies' 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

- 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
- 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
- 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
<b>Positive</b>	14.88 in (378 mm)	12.50 in (317 mm)	0.300 in (7.6 mm)
<b>Negative</b>	15.00 in (381 mm)	12.50 in (317 mm)	0.175 in (4.5 mm)
<b>Plates per cell</b>	23 (11 positive, 12 negative)		
<b>Float voltage</b>	2.17-2.22 Vpc		
<b>Electrolyte at 77F (25C)</b>	Sulfuric acid, 1.215 specific gravity nominal		
<b>Electrolyte height above plates</b>	2.875 in (73 mm)		
<b>Sediment space</b>	0.75 in (19 mm)		
<b>Container</b>	Thermoplastic, transparent flame-retardant PVC standard meets UL 94V-0 rating and LOI>32%		
<b>Cover</b>	High-impact, flame-retardant thermoplastic		
<b>Separator</b>	Microporous with fibrous glass mat		
<b>Safety vent system</b>	Flame-arrester type		
<b>Terminals</b>	Two, 3/4" square (19 mm) square lead-plated copper posts with 2 holes per side		
<b>Product Information</b>	Item number CW17463-PVC CPR number 203660		

## SPECIFICATIONS

Overall dimensions			Net filled	Approx. Dom. Packed	Electrolyte per cell gal (l)
L in (mm)	W in (mm)	H in (mm)			
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

\*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

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

## C&D TECHNOLOGIES, INC.

1400 Union Meeting Road  
P.O. Box 3053 • Blue Bell, PA 19422-0858  
(215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630  
[customersvc@cdtechno.com](mailto:customersvc@cdtechno.com)  
[www.cdtechno.com](http://www.cdtechno.com)

Any data, descriptions or specifications presented herein are subject to revision by C&D Technologies, Inc. without notice. While such information is believed to be accurate as indicated herein, C&D Technologies, Inc. makes no warranty and hereby disclaims all warranties, express or implied, with regard to the accuracy or completeness of such information. Further, because the product(s) featured herein may be used under conditions beyond its control, C&D Technologies, Inc. hereby disclaims all warranties, either express or implied, concerning the fitness or suitability of such product(s) for any particular use or in any specific application or arising from any course of dealing or usage of trade. The user is solely responsible for determining the suitability of the product(s) featured herein for user's intended purpose and in user's specific application.

Copyright 2012 C&D TECHNOLOGIES, INC. Printed in U.S.A.