

LCT II-1700 A PREMIUM STANDBY BATTERY

DESCRIPTION

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-full and 20-year pro-rata.

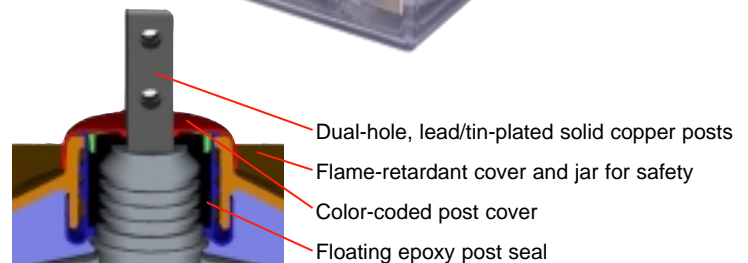
APPLICATIONS

Internet backup, central office, data centers, outside plant, wireless and much more.

FEATURES AND BENEFITS

Rate Improvement and Reliability

- Proprietary design results in 12% increase in performance in short duration (< 5 hrs), high rate applications—Higher Performing
- Unique Floating Epoxy Post Seal construction provides leak-free operation throughout the product life—Reliability
- 30% greater jar-to-cover seal area reduces leaks for trouble-free operation—Reliability
- Positive plates cast with proprietary vacuum-assist, bottom-pour process for reduced porosity and grid corrosion rate—Extended Battery Life
- Transparent (PVC) container allows visual inspection of the plates. LOI >33%, UL 94 VO—High Impact Resistant & Flame Retardant
- Proprietary expander enables stable and uniform float voltages (down to 2.17 vpc), reducing the need to equalize—Reliability



Easy to install with virtually no maintenance

- 50% reduction in the quantity of posts for reduced installation and maintenance costs—Costs Savings
- Double-hole, cross-drilled posts for plates parallel or perpendicular to the rack installation—Flexible Options & Reduced Floor Space
- Lead/tin-plated solid copper posts for low maintenance; bolt-on connections require minimal retorquing—Cost Savings
- Transparent container allows for visual inspections, eliminating the need for gravity readings—Cost Savings
- Redundant connectors standard for continuous operation—Increased Up-time & Maintainability

SPECIFICATIONS

Overall dimensions			Approx. wt. lbs (kgs) ¹		Electrolyte per cell lbs (kgs)	Pure sulfuric acid per cell lbs (kgs)
L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. packed		
10.91 (277)	14.42 (366)	23.60 ² (599)	320 (145)	343 (156)	84 (38)	24.83 (11.2)

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

LCT II-1700 Amp Ratings Table

VPC HOURS	1.90	1.88	1.86	1.84	1.80	1.78	1.75
0.5	488	562	630	704	845	910	1008
1.0	441	494	557	609	698	738	798
2.0	362	399	436	462	509	526	551
3.0	299	326	352	368	404	415	432
4.0	257	278	294	315	341	348	358
5.0	221	242	257	268	289	298	304
6.0	205	215	231	242	257	264	266
8.0	160	170	181	190	201	205	210
10.0	132	142	153	159	169	172	177
24.0	67	72	75	79	83	84	86

Plates	Height	Width	Thickness
Positive	14.88 in (378 mm)	12.5 in (317 mm)	0.300 in (7.6 mm)
Negative	15.00 in (9381 mm)	12.5 in (317 mm)	0.175 in (4.5 mm)
Plates per cell	23		
Float voltage	2.17-2.22		
Electrolyte height above plates	2.875 in. (73 mm)		
Sediment space	0.75 in (19 mm)		
Electrolyte at 77F	Sulfuric acid, 1.215 specific gravity nominal		
Container	Thermoplastic, transparent flame-retardant PVC standard meets UL 94 VO rating and LOI>33%		
Cover	High-impact, flame-retardant thermoplastic		
Separator	Microporous with fibrous glass mat		
Safety vent system	Flame-arrester type		
Terminals	Two, square lead-plated copper posts with 2 holes per side.		

LCT II-1700 Flooded Batteries

48V Systems

Battery Rack/Stand & Accessories Kit

Config.	Accessories for this config.	# Cells	-A	-B	-C	-D	-E	-F	
			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	
M13463	2T/2R (S-S)	RE04148	24 [6/row]	RD02388-05.7	RD02389-05.7EP1	RD02242-06BC3	RD02242-06BC3	RD02242-06BC4	N/A
M13464	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
M13465	2T/2R (S-S)	[2] RE04150	48 [12/row]	RD02388-11.2	RD02389-11.2EP1	RD02242-11BC3	RD02242-11BC3	RD02242-11BC4	[2] RD01340-12EP2
M13466	2T/2R (E-E)	[2] RE04151	48 [12/row]	RD02247-15	RD02206-15BC3	RD02206-15BC3	RD02206-15BC3	RD02206-15BC4	RD01372-15EP2
M13467	2T/1R (S-S)	RE04150	24 [12/row]	RDB0901-12	RDB0901-12EP1	RDB0901-12EP2	RD02241-11BC3	RD02241-11BC4	RD01340-12EP2
M13468	2T/1R (E-E)	RE04151	24 [12/row]	RD02243-15	RD02205-15BC3	RD02205-15BC3	RD02205-15BC3	RD02205-15BC4	RD01289-15EP2

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

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

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