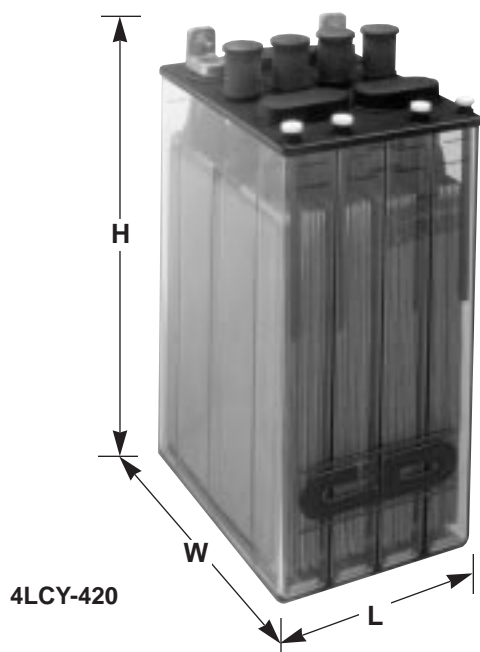


C&D TECHNOLOGIES

Power Solutions

4LCY LEAD-CALCIUM 4LY LEAD-ANTIMONY

For telecommunications applications
Capacities from 290 to 660 Ampere-hours



FEATURES AND BENEFITS

- Four-cell design offers reduced length for optimum space utilization (shorter racks)
- Fewer bolted connectors per battery string reduce installation and maintenance costs
- Flame-retardant covers enhance battery plant safety
- Suspended positive plate permits free growth without pressure on jar and cover
- Snap-on, intercell-connector insulating covers
- Terminals accessible for measurement of individual cell voltages
- Vacuum-assisted, bottom-pour, positive-grid casting assures plate quality and long life
- Soft rubber post seal minimizes stress on post

SPECIFICATIONS

Plates	Height	Width	Thickness
Positive	15 in (381 mm)	12 in (305 mm)	0.250 in (6.4 mm)
Negative	15 in (381 mm)	12 in (305 mm)	0.180 in (4.6 mm)
Outside negative	15 in (381 mm)	12 in (305 mm)	0.130 in (3.3 mm)
Electrolyte height above plates	2.88 in (73 mm)		
Sediment space	0.63 in (16 mm)		
Electrolyte @ 77F (25C)	Sulfuric acid, 1.215 specific gravity nominal		
Float voltages	2.19–2.21 volts per cell (calcium); 2.15–2.17 volts per cell (antimony)		
Container †	Thermoplastic, transparent, polycarb and SAN standard		
Cover	High-impact, flame-retardant thermoplastic with tongue-and-groove seal. Flammability ratings: UL 94-V0; ASTM D-635 self-extinguishing		
Separator	Microporous with fibrous glass mat		
Safety vent system	Flame-arrester type with dust cover		
Terminals	4LCY/LY-290 and 420 Two, 0.5-in (12.7 mm) x 1.38 in (35.1 mm) cast-lead terminals 4LCY/LY-544 and 660 Two, 1-in (25 mm) square posts per unit		
Withdrawal tubes	One per cell		
Options	Transparent, flame-retardant polycarbonate.		
†Container	Flammability ratings: UL 94-HB; ASTM D-635 self-extinguishing		
Special voltages	Modules with dummy cells are available		

Final volts	Models	Nominal rates at 77F (25C) (includes connector voltage drop) Amperes per cell						
		24 Hr	12 Hr	8 Hr	5 Hr	3 Hr	2 Hr	1 Hr
1.88	LCY/LY-290	14	22	29	40	52	67	89
	LCY/LY-420	19	32	42	58	76	97	129
	LCY/LY-544	24	41	55	75	102	125	168
	LCY/LY-660	28	50	66	91	122	155	207
1.86	LCY/LY-290	14	23	31	43	57	72	98
	LCY/LY-420	20	33	45	62	82	105	144
	LCY/LY-544	25	43	58	80	111	136	186
	LCY/LY-660	29	53	70	97	133	168	230
1.84	LCY/LY-290	13	24	33	44	60	77	107
	LCY/LY-420	19	34	47	64	87	113	156
	LCY/LY-544	25	45	61	83	116	146	202
	LCY/LY-660	31	54	74	101	140	180	250
1.75	LCY/LY-290	15	27	36	51	73	97	145
	LCY/LY-420	21	38	53	73	105	140	210
	LCY/LY-544	27	50	68	95	136	181	272
	LCY/LY-660	33	60	83	115	165	220	330

Note: Rates shown represent average values and are subject to IEEE-485 (6.2.4).

Type of cell (CPR code number)		Cells per unit	Plates per cell	Nominal rates at 77F (25C) (includes connector voltage drop) Ampere-hours @ 1.75 F.V.				Overall dimensions			Approx. wt. lbs (kgs)		Elec-trolyte per cell lbs (kgs)	Pure sul-furic acid per cell lbs (kgs)
Calcium	Antimony			8 Hr	5 Hr	3 Hr	1 Hr	L in (mm)	W in (mm)	H in (mm)	Net filled	Dom. packed		
4LCY-290 (164422)	4LY-290			4	5	290	253	218	145	10.08 (256)				
4LCY-420 (162232)	4LY-420	4	7	420	366	315	210	10.08 (256)	14.12 (359)	22.75 (578)	310 (140.6)	325 (147.4)	18 (8.2)	5.4 (2.4)
4LCY-544	4LY-544	4	9	544	474	408	272	15.00 (381)			395 (179.2)	415 (188.2)	25 (11.3)	7.5 (3.4)
4LCY-660 (164423)	4LY-660	4	11	660	575	495	330	15.00 (381)			450 (204.1)	470 (213.2)	23 (10.4)	6.9 (3.1)

Note: Electrolyte weighs approximately 10 lbs per gallon (1.210 kgs per liter).

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

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