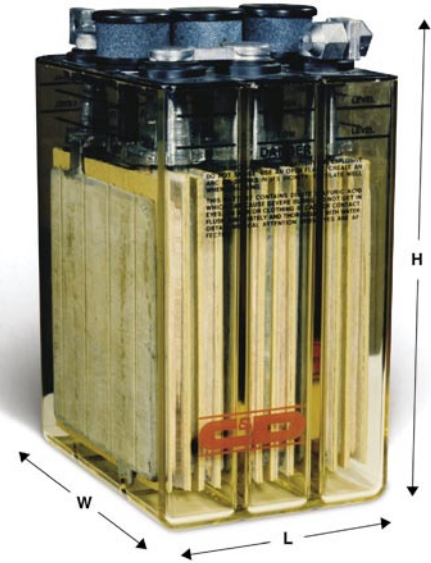




DCU LEAD-CALCIUM DU LEAD-ANTIMONY

FOR TELECOMMUNICATIONS

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.



APPLICATIONS

- Telephone Central Offices
- Mobile Telephone Switching Office
- Cable Head End Sites
- Fiber Optic Regenerator Sites
- Microwave Repeater Sites
- Telephone & Internet Network Nodes

FEATURES & BENEFITS

- Capacities from 50 to 200 Ampere-hours
- Terminals accessible for measurement of individual cell voltages
- Transparent container allows visual inspection of plates
- 20-year environmental and seismic qualification (calcium)
- Flame-arrester with fill funnel and dust cover
- Two- and three-cell units in most sizes

SPECIFICATIONS

Plates	Height	Width	Thickness
Positive	5.88 in (149 mm)	5.63 in (143 mm)	0.266 in (6.76 mm)
Negative	5.88 in (149 mm)	5.63 in (143 mm)	0.170 in (4.32 mm)
Outside Negative	5.88 in (149 mm)	5.63 in (143 mm)	0.110 in (2.79 mm)
Electrolyte height above plates	1.75 in (45 mm) except 11 plate, 1.63 in (41 mm)		
Sediment space	0.5 in (13 mm) except 11 plate, 0.56 in (14 mm)		
Electrolyte @ 77°F (25°C)	Sulfuric acid, 1.215 specific gravity nominal		
Float voltages	2.19 - 2.20 volts per cell (calcium); 2.15 - 2.18 volts per cell (antimony)		
Container	Thermoplastic, transparent		
Cover	High-impact thermoplastic		
Separator	Microporous with fibrous glass mat		
Safety Vent Systems	Flame-arrester type with dust cover		
Terminals			
DCU/DU (5 through 11)	Two flag terminals, standard		
DCU/DU (13 through 17)	Two, 0.75 in (19.1 mm) square posts		

Additional ratings and application information is available in the Battery Selection Program at www.cdstandbypowercom.net.

RATINGS TABLE: AMPERES

FV/Cell	Model	8 hr Amp-Hr Ratings*	Nominal Rates @ 77°F (25°C) - Amperes (includes connector voltage drop)								
			1 hr	2 hr	3 hr	4 hr	5 hr	6 hr	8 hr	10 hr	12 hr
1.75	DCU/DU-5	50	26	17	13	10	9	8	6	5	4
	DCU/DU-7	75	39	25	19	16	13	12	9	8	7
	DCU/DU-9	100	52	34	26	21	18	15	12	10	9
	DCU/DU-11	120	66	41	30	25	21	18	15	13	11
	DCU/DU-13	150	78	50	38	31	27	23	19	16	13
1.80	DCU/DU-17	200	104	67	51	42	35	31	25	21	18
	DCU/DU-5	46	24	16	12	10	8	7	6	5	4
	DCU/DU-7	70	36	23	18	15	13	11	9	7	6
	DCU/DU-9	93	48	31	24	20	17	15	12	10	8
	DCU/DU-11	111	61	38	28	23	20	17	14	12	10
1.84	DCU/DU-13	139	72	47	36	29	25	22	17	15	13
	DCU/DU-17	186	96	62	48	39	33	29	23	19	17
	DCU/DU-5	44	21	15	11	9	8	7	6	5	4
	DCU/DU-7	66	32	22	17	14	12	10	8	7	6
	DCU/DU-9	88	43	29	23	19	16	14	11	9	8
1.86	DCU/DU-11	104	53	35	27	22	19	16	13	11	9
	DCU/DU-13	131	64	44	34	28	24	21	16	14	12
	DCU/DU-17	175	86	58	45	37	32	28	22	18	16
	DCU/DU-5	42	20	14	11	9	8	7	5	4	4
	DCU/DU-7	63	30	21	16	13	11	10	8	7	6
1.88	DCU/DU-9	84	40	28	21	18	15	13	11	9	8
	DCU/DU-11	99	50	34	26	21	18	16	12	10	9
	DCU/DU-13	126	60	41	32	26	23	20	16	13	11
	DCU/DU-17	168	80	55	43	35	30	26	21	18	15
	DCU/DU-5	39	18	13	10	8	7	6	5	4	4
1.92	DCU/DU-7	59	28	19	15	12	11	9	7	6	5
	DCU/DU-9	79	37	26	20	17	14	12	10	8	7
	DCU/DU-11	94	45	31	24	20	17	15	12	10	8
	DCU/DU-13	118	55	38	30	25	21	19	15	12	11
	DCU/DU-17	158	74	51	40	33	28	25	20	17	14
1.92	DCU/DU-5	34	15	11	8	7	6	5	4	4	3
	DCU/DU-7	51	22	16	13	11	9	8	6	5	5
	DCU/DU-9	68	30	21	17	14	12	11	9	7	6
	DCU/DU-11	81	37	26	20	17	14	13	10	9	7
	DCU/DU-13	102	44	32	25	21	18	16	13	11	9
DCU/DU-17	137	59	43	34	28	24	21	17	14	12	

Additional ratings and application information is available in the Battery Selection Program at www.cdstandbypower.net.
* 8 hour Amp-Hr ratings based on final cell voltage of 1.75 vpc @ 77°C.

Type of Cell		Cells per unit	8 hr Amp-Hr Ratings*	Overall dimensions			Approx. wt. lbs (kgs)		Electrolyte per cell lbs (kgs)	Pure sulfuric acid per cell lbs (kgs)	Internal resistance w/ connectors (ohms/cell)	CPR code number (DCU only)			
Calcium	Antimony			L in (mm)	W in (mm)	H in (mm)	Net Filled	Dom. Packed							
2DCU-5	2DU-5	2	50	5.28 (134)	7.38 (187)	10.31 (262)	24 (10.8)	28 (12.6)	2.8 (1.3)	0.8 (.36)	0.0032	269589			
3DCU-5	3DU-5	3	50				33 (15.0)	28 (17.2)				269594			
2DCU-7	2DU-7	2	75	9.47 (241)			10.31 (262)	38 (17.1)	42 (18.9)	5.8 (2.6)	1.7 (.77)	0.00213	269590		
3DCU-7	3DU-7	3	75					53 (24.0)	58 (26.3)				269595		
2DCU-9	2DU-9	2	100					42 (18.9)	46 (20.7)				269591		
3DCU-9	3DU-9	3	100	11.13 (283)	7.19 (183)	10.31 (262)	60 (27.2)	65 (29.5)	5.3 (2.4)	1.5 (.68)	0.0016	269596			
2DCU-11	2DU-11	2	120				49.5 (22.3)	53.5 (24.1)				269592			
3DCU-11	3DU-11	3	120	6.38 (157)	7.38 (187)	10.75 (273)	71 (32.2)	79 (35.8)	5.8 (2.6)	1.7 (.77)	0.00139	269597			
DCU-13	DU-13	1	150				38 (17.2)	44 (20.0)				12.5 (5.7)	3.7 (1.6)	0.0011	269585
DCU-17	DU-17	1	200				42 (19.1)	48 (21.8)				10.5 (4.8)	3.1 (1.4)	0.0008	269587

Note: 1. Electrolyte weighs approximately 10 lbs per gallon (1.215 kgs per liter).
2. Two-cell units are three-cell units with one dummy cell.
* 8 hour Amp-Hr ratings based on final cell voltage of 1.75 vpc @ 77°C.

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

C&D TECHNOLOGIES, INC.

POWER SYSTEMS DIVISION

1400 Union Meeting Road
P.O. Box 3053 • Blue Bell, PA19422-0858
(215) 619-2700 • Fax (215) 619-7899 • (800) 543-8630
customersvc@cdtechno.com
www.cdtechno.com

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