



C&D 12V LBTY Series

VALVE REGULATED LEAD ACID BATTERY FOR STANDBY POWER APPLICATIONS

12V 7 AH – 242Ah



FEATURES

APPLICATIONS

- Telecommunications
- General Purpose Applications
- Uninterrupted Power Supply (UPS)
- Other Float Applications

- Design life: 7-10 years (Above 40Ah)
5 years (Below 26Ah)
- Flame-arresting one-way pressure-relief vent for safety and long life.
- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance.
- Multicell design for economy of installation and maintenance.
- Computer designed lead, low Calcium alloy grid for minimal gassing and ease of recycling.
- UL-recognized component.
- Can be used in upright, side, or end mounting orientation.
- Not restricted for air transport – Complies with IATA/ICAO Special Provision A67.
- Not restricted for surface transport – classified as non-hazardous material as related to DOT-CFR Title 49 parts 171-189
- Not restricted for water transport – classified as non-hazardous material per IMDG Amendment 27

SPECIFICATIONS

Model	V	Capacity/Ah (C20,1.75V@25°C)	IEC Capacity/Ah (C10,1.80V@20°C)	Dimensions/mm (L*W*H* Total Height)				Weight/ Kg	Terminal Type (Bolt)
C&D 12-7 LBT	12	7	6.5	151	65	94	100	2.15	Faston Tab 187/250
C&D 12-9 LBT	12	9	8	151	65	94	100	2.55	Faston Tab 187/250
C&D 12-12 LBT	12	12	11	151	98	95	101	3.6	Faston Tab 187/250
C&D 12-18 LBT	12	18	16.5	181	77	166	166	5.0	Insert (M5)
C&D 12-26 LBT	12	26	23.8	166	175	125	125	8.1	Insert (M5)
C&D 12-40 LBT	12	42	39	198	166	171	171	13.2	Insert (M6)
C&D 12-54 LBT	12	58	54	229	138	211	216	18.0	Insert (M6)
C&D 12-65 LBT	12	68	64	350	167	180	180	21.0	Insert (M6)
C&D 12-76 LBT	12	79	74	260	169	211	216	23.5	Insert (M6)
C&D 12-88 LBT	12	88	83	306	169	211	216	26.0	Insert (M8)
C&D 12-100 LBT	12	100	88	306	169	211	216	29.0	Insert (M8)
C&D 12-127 LBT	12	127	117	407	177	225	225	35.0	Insert (M8)
C&D 12-158 LBT	12	158	146	483	170	241	241	47.0	Insert (M8)
C&D 12-211 LBT	12	211	195	522	239	218	223	60.0	Insert (M8)
C&D 12-242 LBT	12	242	225	521	269	203	208	67.0	Insert (M8)

* All dimensions are for reference only. Contact a C&D Representative for complete dimensional information.

SPECIFICATIONS

Operating Temperature Range with temperature compensation	Discharge: -20°C to 60°C Charge: 0°C to 50°C
Recommended Operating Temperature Range	25°C ± 5°C
Floating Charging Voltage	13.6 to 13.8 VDC/unit Average at 77°F (25°C).
Recommended Maximum Charging Current Limit	0.3C A @ 20hr rate (Below 26Ah) 0.3C A @ 10hr rate (Above 40Ah)
Equalization and Cycle Service Charging Voltage	14.6 to 14.8 VDC/unit Average at 77°F (25°C).
Maximum AC Ripple (Charger)	0.5% RMS or 1.5% P-P of float charge voltage recommended for best results. Maximum voltage allowed = 1.4% RMS (4% P-P). Maximum current allowed = 5.10 amperes RMS (C/20).
Self Discharge	Batteries may be stored for up to 6 months at 77°F (25°C) and then a freshening charge is required. For higher temperatures the time interval will be shorter.
Accessories	Inter unit connectors, racks and cabinet systems are available.
Container and Cover Material	ABS(UL94 HB)

C&D 12-7 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	32.6	25.2	20.7	19.7	15.8	13.8	10.4	8.9	6.7	5.07	3.48	2.81	2.27	1.42	1.16	0.96	0.50
1.80	37.0	27.1	22.0	20.3	16.3	14.2	10.7	9.0	6.8	5.26	3.55	2.84	2.29	1.43	1.18	0.97	0.51
1.75	41.0	29.0	23.3	20.8	16.7	14.5	10.9	9.2	6.8	5.30	3.60	2.85	2.32	1.44	1.21	0.99	0.55
1.70	45.0	30.2	24.6	21.0	17.0	14.8	11.1	9.3	6.8	5.35	3.61	2.88	2.35	1.45	1.22	1.00	0.57
1.67	47.3	31.5	25.0	21.4	17.2	15.0	11.3	9.4	6.8	5.38	3.63	2.90	2.37	1.46	1.23	1.01	0.59
1.65	47.9	31.8	25.2	21.6	17.4	15.1	11.4	9.5	6.9	5.39	3.63	2.91	2.38	1.47	1.24	1.01	0.60

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	21.9	12.3	11.5	6.0	4.0	2.9	2.30	1.61	1.32	1.08	0.92	0.81	0.72	0.61	0.54	0.31	0.26
1.85	15.8	12.3	10.2	6.7	4.3	3.2	2.53	1.77	1.45	1.19	0.98	0.86	0.77	0.66	0.56	0.33	0.28
1.80	18.3	13.5	11.2	6.9	4.5	3.3	2.64	1.80	1.46	1.20	1.02	0.88	0.78	0.67	0.57	0.34	0.29
1.75	20.7	14.6	11.9	7.2	4.5	3.4	2.67	1.83	1.47	1.21	1.04	0.88	0.79	0.68	0.58	0.36	0.30

C&D 12-9 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	43.0	33.2	27.3	26.0	20.9	18.2	13.1	11.1	8.4	6.38	4.40	3.56	2.88	1.82	1.50	1.25	0.67
1.80	48.8	35.7	29.0	26.8	21.5	18.7	13.4	11.3	8.5	6.62	4.49	3.59	2.91	1.83	1.53	1.26	0.68
1.75	54.1	38.2	30.7	27.5	22.1	19.2	13.6	11.5	8.5	6.68	4.55	3.61	2.94	1.84	1.55	1.28	0.74
1.70	59.3	39.8	32.4	27.8	22.4	19.6	13.9	11.7	8.6	6.73	4.57	3.64	2.98	1.86	1.57	1.30	0.76
1.67	62.3	41.5	33.0	28.2	22.7	19.7	14.1	11.8	8.6	6.77	4.58	3.68	3.01	1.88	1.59	1.31	0.78
1.65	63.1	42.0	33.3	28.5	23.0	20.0	14.3	11.9	8.7	6.78	4.59	3.68	3.02	1.88	1.59	1.31	0.79

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	28.8	16.2	15.0	7.8	5.0	3.7	2.90	2.02	1.66	1.36	1.16	1.02	0.91	0.77	0.67	0.40	0.33
1.85	20.9	16.2	13.4	8.7	5.5	4.1	3.19	2.23	1.82	1.50	1.24	1.09	0.97	0.82	0.70	0.41	0.35
1.80	24.2	17.8	14.6	9.1	5.6	4.2	3.33	2.27	1.84	1.51	1.28	1.10	0.98	0.84	0.72	0.43	0.36
1.75	27.2	19.2	15.5	9.4	5.7	4.3	3.36	2.30	1.85	1.53	1.31	1.11	0.99	0.85	0.73	0.45	0.38

C&D 12-12 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	57.4	44.3	36.5	34.7	28.0	24.3	17.5	14.9	11.3	8.57	5.93	4.81	3.91	2.49	2.07	1.73	0.96
1.80	65.1	47.6	38.8	35.8	28.8	25.0	17.9	15.2	11.4	8.89	6.05	4.86	3.95	2.51	2.10	1.74	0.98
1.75	72.1	50.9	41.1	36.7	29.5	25.6	18.3	15.4	11.5	8.96	6.12	4.88	3.99	2.52	2.14	1.77	1.05
1.70	79.1	53.1	43.3	37.1	30.0	26.2	18.6	15.6	11.5	9.04	6.15	4.92	4.04	2.54	2.16	1.79	1.08
1.67	83.1	55.3	44.0	37.6	30.3	26.4	18.9	15.8	11.5	9.10	6.17	4.96	4.08	2.56	2.18	1.81	1.11
1.65	84.1	56.0	44.4	38.1	30.7	26.7	19.1	16.0	11.7	9.10	6.18	4.97	4.09	2.57	2.19	1.82	1.12

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	39.1	22.0	20.3	10.6	6.8	5.0	3.90	2.72	2.23	1.83	1.56	1.37	1.22	1.04	0.90	0.53	0.45
1.85	28.6	22.0	18.2	11.7	7.3	5.5	4.29	2.99	2.45	2.01	1.66	1.46	1.30	1.11	0.94	0.55	0.47
1.80	32.9	24.1	19.8	12.2	7.6	5.7	4.47	3.05	2.47	2.03	1.72	1.48	1.32	1.12	0.96	0.57	0.48
1.75	37.0	26.0	21.0	12.6	7.7	5.7	4.51	3.09	2.48	2.05	1.76	1.49	1.33	1.14	0.97	0.61	0.51

C&D 12-18 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	85.2	65.9	54.3	51.6	41.6	36.2	26.3	22.4	17.1	12.96	8.99	7.30	5.95	3.83	3.19	2.69	1.53
1.80	96.7	70.8	57.7	53.2	42.8	37.2	26.9	22.9	17.2	13.43	9.17	7.38	6.01	3.86	3.25	2.71	1.56
1.75	107.2	75.7	61.0	54.5	43.9	38.1	27.5	23.2	17.3	13.54	9.28	7.41	6.08	3.88	3.30	2.76	1.67
1.70	117.5	79.0	64.4	55.1	44.6	38.9	27.9	23.6	17.3	13.65	9.32	7.48	6.15	3.91	3.34	2.79	1.72
1.67	123.5	82.2	65.3	55.9	45.1	39.3	28.4	23.7	17.4	13.74	9.36	7.54	6.22	3.94	3.37	2.81	1.75
1.65	125.0	83.2	66.1	56.6	45.6	39.7	28.8	24.0	17.6	13.75	9.37	7.55	6.23	3.95	3.38	2.82	1.76

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	59.6	33.6	30.8	16.0	10.2	7.5	5.90	4.12	3.37	2.76	2.36	2.08	1.85	1.56	1.36	0.80	0.67
1.85	43.8	33.6	27.7	17.8	11.1	8.3	6.48	4.52	3.70	3.03	2.51	2.20	1.96	1.67	1.41	0.84	0.71
1.80	50.4	36.8	30.1	18.5	11.4	8.6	6.76	4.61	3.73	3.06	2.60	2.24	1.99	1.70	1.45	0.86	0.73
1.75	56.5	39.5	31.9	19.1	11.7	8.7	6.81	4.67	3.75	3.09	2.65	2.26	2.01	1.72	1.47	0.92	0.76

C&D 12-26 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	112.4	87.8	72.3	69.5	56.0	49.2	37.3	32.0	24.4	18.51	13.07	10.63	8.55	5.62	4.70	3.97	2.29
1.80	127.4	94.3	76.8	71.6	57.6	50.6	38.2	32.6	24.6	19.18	13.33	10.74	8.64	5.66	4.77	4.00	2.33
1.75	141.3	100.9	81.3	73.4	59.1	51.9	39.0	33.1	24.7	19.35	13.49	10.78	8.73	5.68	4.85	4.07	2.49
1.70	154.8	105.2	85.8	74.2	60.0	53.0	39.6	33.6	24.8	19.50	13.55	10.89	8.83	5.73	4.90	4.11	2.57
1.67	162.7	109.5	87.0	75.3	60.7	53.4	40.3	33.8	24.8	19.63	13.60	10.98	8.92	5.78	4.95	4.15	2.62
1.65	164.7	110.9	88.0	76.2	61.5	54.1	40.8	34.3	25.1	19.64	13.61	10.99	8.94	5.79	4.96	4.16	2.63

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	80.0	45.6	41.7	22.2	14.6	10.8	8.44	5.98	4.89	3.94	3.37	2.97	2.64	2.27	1.97	1.16	0.98
1.85	59.0	45.6	37.5	24.6	15.9	11.9	9.26	6.56	5.36	4.33	3.58	3.15	2.79	2.42	2.04	1.21	1.03
1.80	67.7	49.9	40.7	25.6	16.4	12.2	9.66	6.69	5.41	4.37	3.71	3.20	2.84	2.46	2.10	1.25	1.06
1.75	75.8	53.6	43.2	26.4	16.7	12.4	9.74	6.77	5.44	4.42	3.78	3.22	2.87	2.50	2.12	1.33	1.11

C&D 12-40 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	157.8	121.7	102.3	88.8	82.7	75.0	55.6	46.0	36.1	28.31	19.47	16.03	13.55	9.21	7.72	6.44	3.87
1.80	179.7	134.6	113.7	96.0	86.3	79.6	58.2	48.0	37.2	29.41	20.36	16.86	14.17	9.62	7.97	6.64	3.99
1.75	197.3	146.0	123.0	101.4	88.3	80.9	59.2	48.9	37.5	29.79	20.94	17.25	14.43	9.79	8.05	6.71	4.03
1.70	216.8	156.8	129.0	105.2	90.1	81.5	59.7	49.4	37.7	30.01	21.02	17.42	14.61	9.87	8.13	6.78	4.08
1.67	219.3	161.1	130.5	106.4	91.3	82.1	60.1	49.8	38.1	30.19	21.11	17.46	14.66	9.94	8.21	6.84	4.11
1.65	221.0	162.4	131.5	107.2	91.9	82.5	60.6	49.9	38.1	30.25	21.16	17.47	14.68	9.96	8.22	6.86	4.12

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	68.2	53.3	47.1	34.0	22.5	17.7	13.54	9.41	7.71	6.32	5.41	4.81	4.38	3.74	3.14	1.92	1.61
1.85	81.0	63.5	54.7	38.8	23.4	18.4	14.16	9.76	8.06	6.83	5.85	5.09	4.67	3.94	3.30	2.02	1.70
1.80	95.2	71.2	61.0	41.5	24.6	18.8	14.83	10.22	8.47	7.14	6.05	5.37	4.88	4.06	3.41	2.08	1.75
1.75	105.7	78.2	66.3	42.2	25.2	19.2	15.10	10.51	8.68	7.27	6.21	5.45	4.97	4.10	3.44	2.10	1.77

C&D 12-54 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	217.3	167.6	141.0	122.3	113.9	103.4	76.77	63.46	49.87	39.19	27.04	22.31	18.90	12.92	10.88	9.11	5.58
1.80	247.4	185.3	156.6	132.2	118.9	109.8	80.23	66.30	51.39	40.70	28.26	23.44	19.74	13.49	11.22	9.39	5.75
1.75	271.6	201.1	169.4	139.7	121.7	111.5	81.64	67.54	51.78	41.22	29.05	23.99	20.11	13.72	11.33	9.49	5.81
1.70	298.3	215.9	177.6	144.9	124.2	112.3	82.30	68.16	52.07	41.52	29.16	24.21	20.35	13.84	11.44	9.58	5.86
1.67	301.8	221.8	179.6	146.6	125.7	113.1	82.92	68.69	52.64	41.78	29.29	24.26	20.42	13.93	11.54	9.67	5.92
1.65	304.2	223.6	181.1	147.7	126.6	113.7	83.60	68.81	52.71	41.86	29.35	24.28	20.44	13.95	11.57	9.69	5.93

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	96.58	74.88	65.81	47.33	31.19	24.53	18.76	13.04	10.67	8.75	7.48	6.66	6.05	5.17	4.33	2.65	2.23
1.85	114.2	88.98	76.26	53.94	32.40	25.47	19.61	13.52	11.15	9.45	8.09	7.04	6.46	5.44	4.56	2.79	2.35
1.80	133.7	99.56	85.02	57.61	34.10	26.02	20.52	14.14	11.72	9.87	8.36	7.43	6.75	5.61	4.70	2.87	2.42
1.75	148.1	109.18	92.24	58.62	34.93	26.57	20.90	14.54	12.00	10.05	8.58	7.54	6.86	5.67	4.74	2.90	2.44

C&D 12-65 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	256.8	198.0	166.6	144.6	134.6	122.2	90.73	75.00	58.93	46.31	31.95	26.36	22.33	15.27	12.86	10.77	6.59
1.80	292.3	219.0	185.1	156.3	140.5	129.7	94.81	78.35	60.73	48.10	33.40	27.70	23.33	15.95	13.26	11.10	6.80
1.75	321.0	237.6	200.2	165.1	143.8	131.8	96.48	79.82	61.20	48.72	34.33	28.35	23.76	16.22	13.39	11.21	6.86
1.70	352.6	255.2	209.9	171.2	146.8	132.7	97.26	80.55	61.53	49.07	34.47	28.61	24.05	16.35	13.52	11.33	6.93
1.67	356.6	262.1	212.3	173.2	148.6	133.7	98.00	81.18	62.21	49.37	34.62	28.68	24.13	16.46	13.64	11.43	6.99
1.65	359.5	264.2	214.0	174.5	149.6	134.4	98.80	81.32	62.29	49.47	34.69	28.70	24.16	16.49	13.67	11.45	7.01

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	114.1	88.50	77.77	55.94	36.86	28.99	22.17	15.41	12.61	10.34	8.84	7.87	7.15	6.11	5.12	3.13	2.64
1.85	134.9	105.2	90.13	63.75	38.29	30.10	23.18	15.98	13.18	11.17	9.56	8.32	7.64	6.43	5.39	3.30	2.77
1.80	158.0	117.7	100.5	68.09	40.30	30.75	24.25	16.71	13.85	11.67	9.88	8.78	7.97	6.63	5.55	3.40	2.86
1.75	175.1	129.0	109.0	69.27	41.28	31.40	24.70	17.18	14.19	11.88	10.14	8.91	8.11	6.70	5.61	3.43	2.89

C&D 12-76 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	296.3	228.5	192.2	166.8	155.3	141.0	104.7	86.54	68.00	53.44	36.87	30.42	25.77	17.62	14.84	12.43	7.61
1.80	337.3	252.7	213.5	180.3	162.1	149.7	109.4	90.41	70.08	55.50	38.53	31.96	26.92	18.40	15.30	12.81	7.84
1.75	370.3	274.2	231.0	190.5	165.9	152.1	111.3	92.10	70.61	56.21	39.61	32.71	27.42	18.71	15.45	12.94	7.92
1.70	406.8	294.4	242.2	197.5	169.3	153.2	112.2	92.94	71.00	56.62	39.77	33.02	27.75	18.87	15.60	13.07	8.00
1.67	411.5	302.4	245.0	199.9	171.5	154.3	113.1	93.66	71.78	56.97	39.94	33.09	27.85	18.99	15.74	13.18	8.07
1.65	414.8	304.9	246.9	201.4	172.7	155.0	114.0	93.83	71.88	57.08	40.02	33.11	27.88	19.03	15.78	13.21	8.09

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	131.7	102.1	89.74	64.54	42.53	33.45	25.58	17.78	14.55	11.93	10.20	9.08	8.25	7.05	5.90	3.61	3.04
1.85	155.7	121.3	104.0	73.56	44.18	34.73	26.74	18.43	15.21	12.88	11.03	9.60	8.81	7.42	6.21	3.80	3.20
1.80	182.3	135.8	115.9	78.57	46.50	35.48	27.98	19.28	15.98	13.46	11.40	10.13	9.20	7.65	6.41	3.92	3.30
1.75	202.0	148.9	125.8	79.93	47.63	36.23	28.50	19.82	16.37	13.71	11.70	10.28	9.36	7.73	6.47	3.96	3.33

C&D 12-88 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	333.1	256.9	216.1	187.6	174.6	158.5	117.7	97.3	76.5	60.08	41.45	34.20	28.97	19.81	16.68	13.97	8.55
1.80	379.2	284.2	240.1	202.7	182.2	168.3	123.0	101.6	78.8	62.40	43.33	35.94	30.27	20.69	17.20	14.40	8.82
1.75	416.4	308.3	259.8	214.2	186.5	171.0	125.2	103.6	79.4	63.20	44.54	36.77	30.83	21.04	17.37	14.55	8.90
1.70	457.4	331.1	272.3	222.1	190.4	172.2	126.2	104.5	79.8	63.66	44.71	37.12	31.20	21.21	17.54	14.69	8.99
1.67	462.7	340.0	275.4	224.7	192.8	173.4	127.1	105.3	80.7	64.05	44.91	37.20	31.31	21.35	17.70	14.82	9.07
1.65	466.4	342.8	277.6	226.4	194.1	174.3	128.2	105.5	80.8	64.18	45.00	37.23	31.34	21.39	17.74	14.85	9.09

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	148.1	114.8	100.9	72.6	47.8	37.6	28.75	19.99	16.36	13.41	11.47	10.20	9.28	7.93	6.64	4.06	3.42
1.85	175.0	136.4	116.9	82.7	49.7	39.0	30.07	20.73	17.10	14.49	12.40	10.79	9.91	8.34	6.99	4.28	3.60
1.80	205.0	152.6	130.4	88.3	52.3	39.9	31.46	21.68	17.97	15.14	12.82	11.38	10.34	8.60	7.20	4.41	3.71
1.75	227.1	167.4	141.4	89.9	53.5	40.7	32.04	22.29	18.40	15.41	13.15	11.55	10.52	8.69	7.27	4.45	3.75

C&D 12-100 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	350.2	264.8	247.3	200.8	183.4	173.3	122.9	103.4	81.4	64.2	44.3	36.2	29.8	20.5	17.6	15.0	9.2
1.80	398.8	292.8	274.7	207.4	188.4	178.7	125.9	105.4	83.9	66.6	46.3	38.0	31.1	21.5	18.2	15.5	9.4
1.75	437.8	317.7	297.2	213.6	194.7	184.8	129.1	107.2	84.6	67.5	47.6	38.9	31.7	21.8	18.4	15.6	9.9
1.70	480.9	341.2	311.6	220.2	200.6	189.3	130.9	107.7	85.0	68.0	47.8	39.3	32.1	22.0	18.5	15.8	10.2
1.67	486.5	350.4	315.1	224.2	204.0	192.2	132.3	108.6	86.0	68.4	48.0	39.3	32.2	22.1	18.7	15.9	10.4
1.65	496.2	361.5	320.3	228.7	208.2	196.0	134.4	109.9	87.2	69.2	48.4	39.5	32.3	22.2	18.8	15.9	10.5

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	153.2	121.4	114.4	78.1	49.2	39.2	30.7	21.3	17.5	14.2	12.2	10.7	9.8	8.5	8.0	4.3	3.7
1.85	185.9	139.2	131.4	86.3	53.0	41.7	32.1	22.2	18.1	14.9	12.8	11.2	10.3	8.8	8.5	4.6	4.0
1.80	217.8	155.8	146.4	92.1	55.8	43.4	33.6	23.2	19.0	15.6	13.4	11.6	10.7	9.1	8.7	4.7	4.1
1.75	241.3	170.9	158.9	96.4	57.2	44.2	34.2	23.8	19.5	15.8	13.6	11.8	10.9	9.2	8.8	5.0	4.4

C&D 12-127 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	422.3	329.3	292.6	251.4	239.4	210.3	161.0	138.3	108.4	85.35	58.89	48.04	39.53	27.20	23.32	19.50	11.86
1.80	480.9	364.2	325.0	271.7	250.0	223.9	169.6	144.5	111.7	88.66	61.56	50.48	41.31	28.41	24.05	20.11	12.23
1.75	528.0	395.2	351.7	288.8	259.5	233.6	174.7	147.2	112.6	89.80	63.29	51.66	42.07	28.90	24.29	20.31	12.36
1.70	580.0	424.4	368.7	300.6	267.3	239.2	177.4	148.5	113.2	90.46	63.53	52.15	42.58	29.14	24.53	20.51	12.48
1.67	586.7	435.9	373.0	304.2	270.9	240.9	198.8	149.7	114.4	91.01	63.81	52.27	42.73	29.33	24.75	20.70	12.60
1.65	592.5	440.2	376.6	307.2	273.6	243.3	181.3	150.6	115.1	91.19	63.94	52.37	42.81	29.39	24.80	20.74	12.62

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	190.5	152.8	137.3	98.9	65.4	52.9	40.82	28.37	23.23	18.92	16.17	14.37	13.06	11.26	9.44	5.84	4.86
1.85	224.5	173.7	156.2	108.9	70.5	55.1	42.71	29.47	24.06	19.82	16.89	14.97	13.67	11.74	9.84	6.09	5.06
1.80	263.2	194.6	174.2	116.3	74.2	57.0	44.70	30.83	25.29	20.71	17.73	15.69	14.28	12.10	10.14	6.28	5.22
1.75	291.8	213.5	189.0	121.7	76.0	57.6	45.52	31.70	25.90	21.09	17.97	15.93	14.52	12.22	10.24	6.34	5.27

C&D 12-158 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	555.8	420.1	392.7	324.7	299.5	288.7	204.7	172.2	135.5	106.74	73.66	60.09	49.46	34.05	29.20	24.42	14.87
1.80	632.8	464.6	436.3	335.4	307.6	297.6	209.7	175.4	139.7	110.87	77.00	63.15	51.68	35.56	30.11	25.18	15.34
1.75	694.7	504.1	472.0	345.5	317.9	307.9	214.9	178.4	140.7	112.30	79.16	64.63	52.64	36.17	30.41	25.44	15.49
1.70	763.2	541.3	494.9	356.2	327.6	315.4	218.0	179.4	141.5	113.12	79.47	65.24	53.27	36.47	30.71	25.69	15.65
1.67	772.0	556.0	500.5	362.6	333.2	320.2	220.4	180.7	143.1	113.81	79.82	65.38	53.46	36.71	30.99	25.92	15.79
1.65	787.5	573.6	508.7	369.9	340.0	326.6	223.9	182.9	145.2	115.11	80.44	65.61	53.69	36.84	31.09	26.00	15.84

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	243.5	193.3	182.6	129.8	81.9	65.3	51.05	35.48	29.05	23.66	20.31	17.72	16.33	14.08	11.80	7.28	6.07
1.85	296.0	221.9	209.9	143.5	88.2	69.3	53.42	36.86	30.09	24.78	21.27	18.56	17.09	14.67	12.30	7.58	6.33
1.80	347.0	248.5	234.1	153.2	92.8	72.2	55.90	38.56	31.62	25.90	22.23	19.38	17.85	15.13	12.68	7.82	6.53
1.75	384.6	272.6	254.0	160.2	95.1	73.5	56.93	39.64	32.39	26.37	22.64	19.71	18.15	15.28	12.80	7.90	6.59

C&D 12-211 LBT

Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	741.1	560.2	487.7	432.9	399.4	385.0	272.9	229.6	180.8	142.38	98.28	80.19	66.00	45.46	38.99	32.63	19.89
1.80	843.7	619.6	541.8	447.3	410.3	396.9	279.6	233.9	186.3	147.89	102.72	84.27	68.97	47.48	40.21	33.64	20.51
1.75	926.4	672.2	586.2	460.7	423.9	410.6	286.6	238.0	187.7	149.80	105.61	86.23	70.25	48.29	40.61	33.98	20.72
1.70	1017.6	721.8	614.6	474.9	436.9	420.5	290.7	239.2	188.8	150.89	106.02	87.05	71.10	48.69	41.01	34.32	20.93
1.67	1029.4	741.4	621.6	483.6	444.4	426.9	293.9	241.1	190.8	151.81	106.48	87.24	71.34	49.01	41.38	34.63	21.12
1.65	1050.1	764.9	631.7	493.3	453.3	435.5	298.6	244.0	193.6	153.54	107.31	87.54	71.64	49.18	41.51	34.73	21.18

Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	325.3	258.2	226.9	173.2	109.2	87.1	68.10	47.33	38.75	31.56	27.09	23.64	21.78	18.78	15.74	9.72	8.10
1.85	395.3	296.3	260.8	191.4	117.6	92.5	71.25	49.17	40.14	33.06	28.38	24.75	22.80	19.57	16.40	10.13	8.44
1.80	463.3	331.7	290.9	204.4	123.8	96.3	74.57	51.43	42.18	34.54	29.65	25.85	23.81	20.18	16.91	10.45	8.70
1.75	513.5	363.9	315.6	213.8	126.8	98.0	75.93	52.88	43.20	35.18	30.20	26.29	24.21	20.38	17.08	10.55	8.79

C&D 12-242 LBT

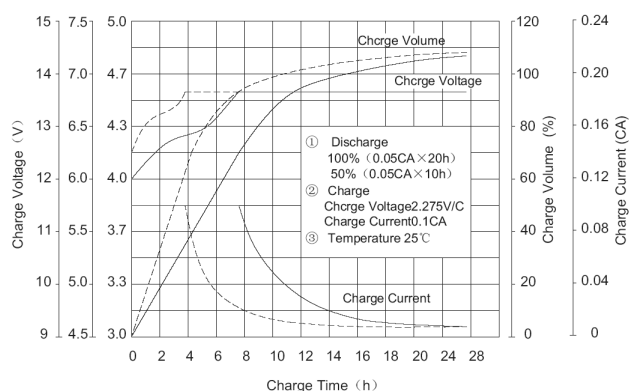
Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

EPV	5 min	10 min	15 min	20 min	25 min	30 min	45 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	8 hr	10 hr	12 hr	20 hr
1.85	724.4	579.8	532.8	477.1	454.4	403.2	308.7	265.2	207.9	163.77	113.05	92.24	75.93	52.30	44.87	37.55	22.91
1.80	824.8	641.3	591.9	515.7	474.6	429.3	325.3	277.1	214.2	170.10	118.16	96.93	79.35	54.63	46.27	38.72	23.62
1.75	905.5	695.7	640.5	548.2	492.6	447.9	335.0	282.3	215.9	172.30	121.48	99.20	80.81	55.56	46.73	39.11	23.86
1.70	994.7	747.1	671.5	570.5	507.4	458.5	340.2	284.8	217.1	173.56	121.95	100.14	81.79	56.02	47.19	39.49	24.10
1.67	1006.2	767.4	679.1	577.4	514.3	461.8	381.2	287.0	219.5	174.61	122.48	100.35	82.07	56.39	47.62	39.85	24.31
1.65	1016.3	775.1	685.9	583.1	519.3	466.5	347.6	288.8	220.8	174.96	122.73	100.55	82.23	56.50	47.71	39.93	24.36

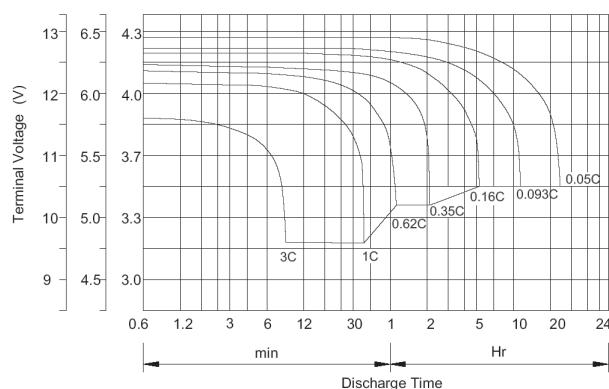
Constant Current Discharge Table - Amps @ 25°C (77°F)

EPV	5 min	10 min	15 min	30 min	60 min	90 min	2 hr	3 hr	4 hr	5 hr	6 hr	7 hr	8 hr	10 hr	12 hr	20 hr	24 hr
1.90	328.1	269.8	250.6	189.9	125.6	101.5	78.33	54.44	44.57	36.30	31.02	27.57	25.05	21.60	18.10	11.15	9.32
1.85	386.4	306.7	285.0	209.2	135.3	105.7	81.96	56.55	46.17	38.02	32.40	28.72	26.22	22.51	18.86	11.62	9.71
1.80	452.8	343.4	317.8	223.3	142.4	109.4	85.77	59.16	48.51	39.73	34.01	30.10	27.38	23.21	19.44	11.98	10.01
1.75	501.9	376.7	344.9	233.6	145.9	110.5	87.34	60.82	49.69	40.46	34.47	30.56	27.85	23.44	19.64	12.10	10.11

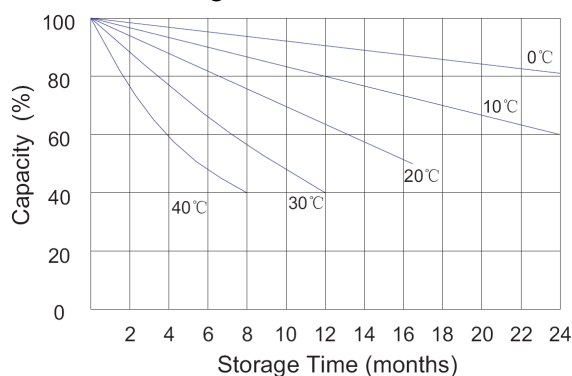
Charge Characteristic Curve



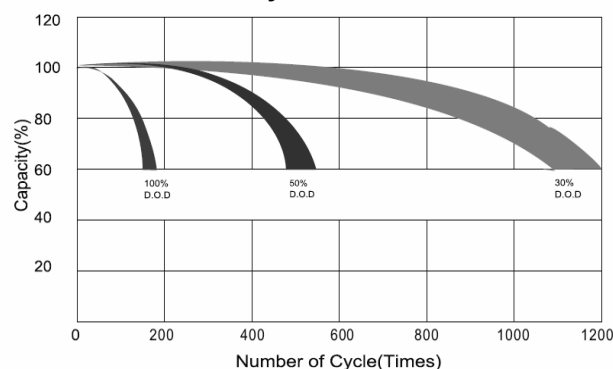
Discharge Characteristic Curve



Storage Characteristic Curve



Cyclic Life Curve



* All data shall be changed without prior notice, C&D reserves the right to explain and update the information contained hereinto.

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