



# 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<br>(C20,1.75V@25°C) | IEC Capacity/Ah<br>(C10,1.80V@20°C) | Dimensions/mm (L*W*H* Total Height) |     |     |     | Weight/<br>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<br>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)<br>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

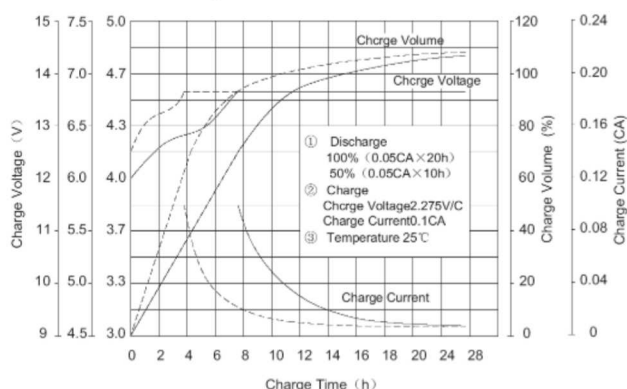
Constant Power Discharge Table - Watts Per Cell @ 25°C (77°F)

| 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 |

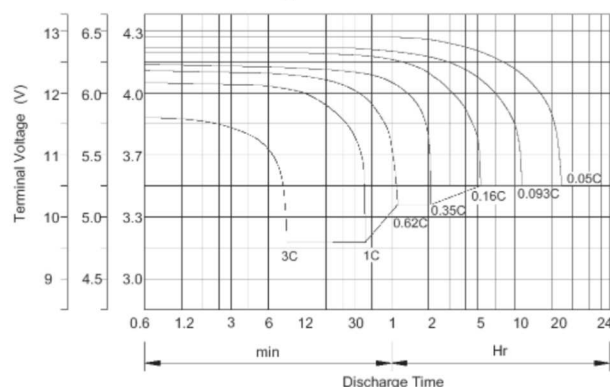
Constant Current Discharge Table - Amps @ 25°C (77°F)

| 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 |

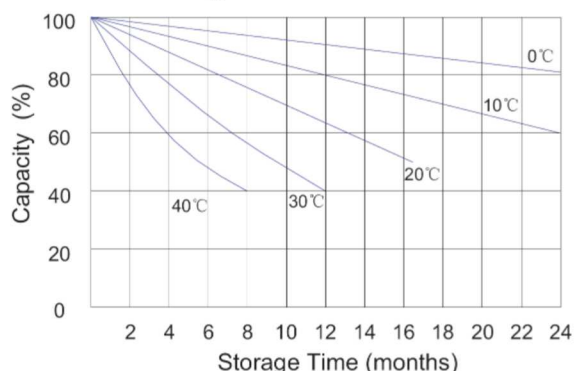
Charge Characteristic Curve



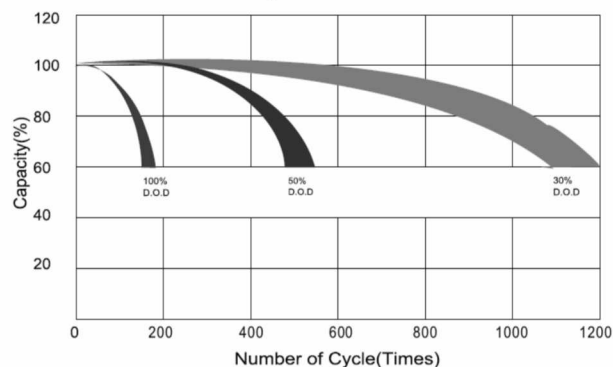
Discharge Characteristic Curve



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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