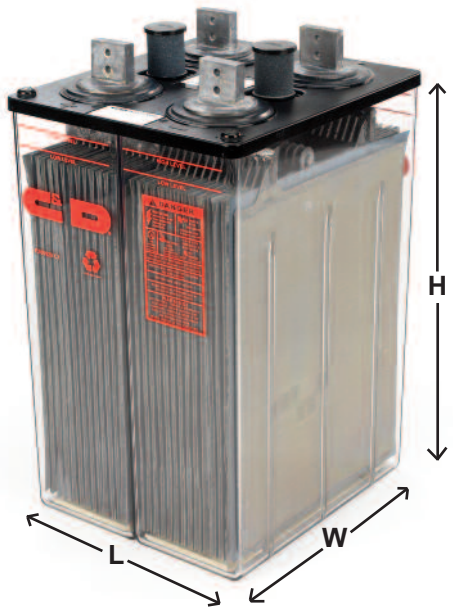
C&D TECHNOLOGIES
Power Solutions

12-1023

C&D® FLOODED UPS

All Batteries Capacity tested to 100%

RETURN RECYCLE LEAD




# XT SERIES

## LEAD CALCIUM BATTERIES FOR UPS AND SWITCHGEAR APPLICATIONS

CAPACITIES FROM 0.370 TO 7.523 KILOWATTS PER CELL

C&D Technologies' 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.

**Sites that use XT Series batteries include:**

- **Data Centers**
- **Network Operations Centers**
- **Industrial Process Control Facilities**
- **Internet Hosting Sites**
- **Semiconductor Manufacturing**
- **Banks & Financial Markets**
- **Power Generation Plants**
- **Hospitals & Testing Laboratories**
- **Emergency 911 Response Centers**

## FEATURES & BENEFITS

- Low-maintenance lead-calcium alloy extends watering intervals
- Design is optimized for high-rate, short duration discharges
- Soft rubber post bushing minimizes stress on post seal, leak-free design using heli-arc process unique to C&D
- Flame retardant covers standard to enhance battery plant safety
- Electrical testing to 100% capacity assures performance of every battery
- Warranty for cycle duty or float service is available
- Hardened, lead-alloy terminals or copper-inserted posts provide better conductivity and tighter connections requiring less maintenance
- 20 year life expectancy in float service at 77°F (25°C) ambient temperature

## XT

- **Proven quality**
- **High performance**
- **Fully tested**
- **Wide range of KW ratings**
- **Higher ratings and lower cost than XT-Plus**

## XT Plus

- **All the benefits of the XT PLUS**
- **More available discharge cycles**

XT Plus is ideal for sites with frequent blackouts and brownouts or locations that require the batteries to be cycled frequently to test other system components.

## XTH

- **Less rack space required**
- **Higher power density**
- **Minimized maintenance**
- **Available in both XT and XT Plus versions**

XTH jars provide greater floor space utilization, saving up to 20% in rack length. Maintenance clean-up activities are minimized due to wells around flame arrestors that catch drips and spills.

### WARRANTY CRITERIA FOR LIMITED CYCLE SERVICE

| Duration of discharge | Warranted cycle life |
|---|---|
| 0.0 to 0.5 minutes | 2,700 events |
| 0.5 to 1.5 minutes | 525 events |
| 1.5 to 4.0 minutes | 206 events |
| 4.0 to 15.0 minutes | 94 events |

Based on discharges at 15-minute rate to minimum voltage of 1.67 Vpc.

### WARRANTY CRITERIA FOR LIMITED CYCLE SERVICE

| Duration of discharge | Warranted cycle life |
|---|---|
| 0.0 to 0.5 minutes | 10,500 events |
| 0.5 to 1.5 minutes | 2,100 events |
| 1.5 to 4.0 minutes | 660 events |
| 4.0 to 15.0 minutes | 300 events |

Based on discharges at 15-minute rate to minimum voltage of 1.67 Vpc.

**Rack Sizing Guide for XT & XT Plus Batteries**

| Rack Length (ft) | Available RDB Racks √ = UBC 1994 EP1, EP2 & non-seismic available | | | Model: XT4L-7, -9 XT4LP-7, -9 | 4XTH-11, -13 4XTHP-11, -13 | 4XTH-15 4XTHP-15 | 4XTH-17 4XTHP-17 | 4XTH-19 4XTHP-19 | 4XTH-21 4XTHP-21 | 4XTH-23 4XTHP-23 | 2XTH-25 2XTHP-25 | 2XTH-27 2XTHP-27 | 2XTH-29, -31 2XTHP-29, -31 | 2XTH-33 2XTHP-33 | XT1L-35, -37, -39, -41 XT1LP-35, -37, -39, -41 | XT1L-43, -45, -47, -49, -51, -53 XT1LP-43, -45, -47, -49, -51, -53 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Cells per Unit | 4 | 4 | | | 4 | | 4 | 2 | | 2 | | 1 | 1 |
| | | | Unit Length (in) | 10.08 | 16.10 | | | 19.27 | | 21.06 | 12.56 | | 15.27 | | 10.62 | 13.14 |
| | 1 Tier | 2 Tier | 3 Tier | Maximum Number of Units per Tier | | | | | | | | | | | | |
| 3 | √ | √ | √ | 3 | 2 | 2* | 2* | 1 | 1 | 1 | 2 | 2 | 2 | 2* | 3 | 2 |
| 4 | √ | √ | √ | 4 | 2 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 3 | 3* | 4 | 3 |
| 5 | √ | √ | √ | 5 | 3 | 3 | 3 | 3* | 3* | 2 | 4 | 4 | 3 | 3 | 5 | 4 |
| 6 | √ | √ | √ | 6 | 4 | 4 | 4 | 3 | 3 | 3 | 5 | 5 | 4 | 4 | 6 | 5 |
| 7 | √ | √ | √ | 7 | 5 | 5 | 5* | 4 | 4 | 3 | 6 | 6 | 5 | 5 | 7 | 6 |
| 8 | √ | √ | √ | 9 | 5 | 5 | 5 | 4 | 4 | 4 | 7 | 7 | 6 | 6* | 8 | 7 |
| 9 | √ | √ | √ | 10 | 6 | 6 | 6 | 5 | 5 | 5* | 8 | 8 | 6 | 6 | 9 | 7 |
| 10 | √ | √ | √ | 11 | 7 | 7 | 7* | 6 | 6* | 5 | 9 | 9* | 7 | 7 | 10 | 8 |
| 11 | √ | √ | √ | 12 | 7 | 7 | 7 | 6 | 6 | 6* | 10 | 10* | 8 | 8 | 11 | 9 |
| 12 | √ | √ | √ | 13 | 8 | 8 | 8 | 7 | 7 | 6 | 11 | 11* | 9 | 9* | 12 | 10 |
| 13 | √ | √ | √ | 14 | 9 | 9 | 9 | 7 | 7 | 7 | 11 | 11 | 9 | 9 | 14 | 11 |
| 14 | √ | √ | √ | 15 | 10 | 10 | 10 | 8 | 8 | 7 | 12 | 12 | 10 | 10 | 15 | 12 |
| 15 | √ | √ | √ | 17 | 10 | 10 | 10 | 9 | 9* | 8 | 13 | 13 | 11 | 11 | 16 | 13 |
| 16 | √ | √ | √ | 18 | 11 | 11 | 11 | 9 | 9 | 8 | 14 | 14 | 12 | 12 | 17 | 14 |
| 16.5 | √ | √ | √ | 18 | 11 | 11 | 11 | 9 | 9 | 9* | 15 | 15* | 12 | 12 | 17 | 14 |
| 17 | √ | √ | √ | 19 | 12 | 12 | 12 | 10 | 10 | 9 | 15 | 15 | 12 | 12 | 18 | 14 |
| 18 | √ | √ | √ | 20 | 13 | 13 | 13 | 10 | 10 | 10* | 16 | 16 | 13 | 13 | 19 | 15 |
| 19 | | √ | EP1 only | 21 | 13 | 13 | 13 | 11 | 11 | 10 | 17 | 17 | 14 | 14 | 20 | 16 |
| 20 | | √ | | 22 | 14 | 14 | 14 | 12 | 12 | 10 | 18 | 18 | 15 | 15 | 21 | 17 |

* UBC 1994 Zone 4 available with added tie rod assemblies on identified configurations.
UBC 1997 compliance available with tie rod kit addition on all models.

# SPECIFICATIONS

| | |
|---|---|
| **Recommended Float Voltages** | |
| XTJ, XTL, XTH, XTLP and XTHP | 2.21 - 2.22 volts per cell (1.215 specific gravity) |
| XTJC, XTLC, XTHC, XTLCP and XTHCP | 2.25 - 2.26 volts per cell (1.250 specific gravity) |
| **Electrolyte @ 77°F (25°C)** | |
| XTL, XTH, XTLP and XTHP | Sulfuric acid, 1.215 specific gravity nominal |
| XTLC, XTHC, XTLCP and XTHCP | Sulfuric acid, 1.250 specific gravity nominal |
| **Cover** | High-impact, flame retardant thermoplastic, with tongue-and-groove seal.<br>Flammability ratings: UL 94V-0; ASTM D-635, self-extinguishing. Oxygen index > 32 |
| **Electrolyte Withdrawal Tubes** | |
| XTJ | None |
| XTH (two and four cell) | 1 per cell, Plug is Standard, Tube is Optional and must be specified at time of order |
| XTL (single cell, -35 through -41, SAN Jar) | 2 per cell, Plug is Standard, Tube is Optional and must be specified at time of order |
| XTL (single cell, -35 through -53 Polycarbonate Jar, -43 through -53 SAN Jar) | 2 per cell |
| XTL (four-cell units) | 1 per cell |
| **Container** | Thermoplastic, transparent |
| **Optional Container** | Transparent, flame-retardant polycarbonate. LOI = 25.<br>Flammability ratings: UL 94-HB; ASTM D-635-68, self-extinguishing |
| **Separator** | |
| XTJ, XTL and XTH | Microporus with fiberglass retaining mat |
| XTLP and XTHP | Microporus with fiberglass retaining U-wrapped around positive plates |
| **Safety Vent System** | Flame-arrester with dust cover |
| **Terminals** | |
| XTJ, XTL and XTLP (7 and 9 plate) | Two, hardened, lead-alloy chair terminals per unit |
| XTH and XTHP (11 through 23 plates) | Two, 3/8 x 1 1/4 in copper blade posts with dual-bolt holes per cell |
| XTH and XTHP (25 & 27 plates) | Two, 5/8 x 2 in copper blade posts with dual-bolt holes per cell |
| XTH and XTHP (29 through 33 plates) | Four, 3/8 x 1 1/4 in copper blade posts with dual-bolt holes per cell |
| XTL and XTLP (35 through 41 plates) | Four, 1-in square, copper-inserted posts with dual-bolt holes per cell |
| XTL and XTLP (43 through 53 plates) | Six, 1-in square, copper-inserted posts with dual-bolt holes per cell |
| **Intercell connectors*** | |
| XTJ, XTL and XTLP (7 through 9 plates) | Welded connectors |
| XTH and XTHP (11 through 23, 29 through 33 plates) | Bolt-on connectors—3/8 x 1 1/4 in coper blade post |
| XTH and XTHP (25 through 27 plates) | Bolt-on connectors—5/8 x 2 in copper blade post |
| XTL and XTLP (35 through 53 plates) | N/A |
| **Hardware Torque Requirements** | Initial Torque 160 inch-pounds<br>Maintenance Torque 125 inch-pounds |

*See RS-1476 for connection hardware details.

**Additional product details available on the C&D Battery Sizing program at www.cdstandbypower.net**

| XT | | | XT-Plus | | | Nom. Volts | Unit Dimensions | | | | | | Unit Weight | | | | Electrolyte per cell | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Models | Nom. Amp-Hrs† | Kilowatts Per Cell†† | Models | Nom. Amp-Hrs† | Kilowatts Per Cell†† | | L | | W | | H | | Net Filled | | Dom. Packed | | | |
| | | | | | | | in | mm | in | mm | in | mm | lbs | kgs | lbs | kgs | lbs | kgs |
| XT4J-7 | 108 | 0.397 | | | | 8 | 10.28 | 261 | 10 | 254 | 14.81 | 376 | 113 | 51 | 122 | 55 | 6.8 | 3.1 |
| XT4J-9 | 142 | 0.524 | | | | 8 | | | | | | | 129 | 59 | 138 | 63 | 6.3 | 2.9 |
| XT4J-11 | 174 | 0.643 | | | | 8 | | | | | | | 145 | 66 | 154 | 70 | 5.8 | 2.6 |
| XT4L-07 | 306 | 0.941 | XT4LP-07 | 290 | 0.894 | 8 | 10.08 | 256 | 14.12 | 359 | 22.75 | 578 | 254 | 115 | 269 | 122 | 15 | 6.8 |
| XT4L-09 | 404 | 1.242 | XT4LP-09 | 383 | 1.180 | 8 | | | | | | | 304 | 138 | 319 | 145 | 14 | 6.4 |
| 4XTH-11 | 508 | 1.542 | 4XTHP-11 | 493 | 1.496 | 8 | 16.1 | 409 | 14.32 | 364 | 22.92 | 582 | 479 | 217 | 497 | 225 | 41 | 18.6 |
| 4XTH-13 | 610 | 1.851 | 4XTHP-13 | 591 | 1.795 | 8 | | | | | | | 520 | 236 | 538 | 244 | 39 | 17.7 |
| 4XTH-15 | 711 | 2.159 | 4XTHP-15 | 690 | 2.094 | 8 | | | | | | | 550 | 249 | 568 | 258 | 33 | 15.0 |
| 4XTH-17 | 778 | 2.366 | 4XTHP-17 | 754 | 2.295 | 8 | | | | | | | 570 | 259 | 603 | 274 | 25 | 11.3 |
| 4XTH-19 | 914 | 2.776 | 4XTHP-19 | 886 | 2.693 | 8 | 19.27 | 489 | | | | | 651 | 295 | 663 | 301 | 30 | 13.6 |
| 4XTH-21 | 972 | 2.957 | 4XTHP-21 | 942 | 2.868 | 8 | | | | | | | 690 | 313 | 708 | 321 | 30 | 13.6 |
| 4XTH-23 | 1069 | 3.253 | 4XTHP-23 | 1037 | 3.155 | 8 | 21.06 | 535 | | | | | 760 | 345 | 778 | 353 | 34 | 15.4 |
| 2XTH-25 | 1218 | 3.701 | 2XTHP-25 | 1182 | 3.590 | 4 | 12.56 | 319 | | | | | 435 | 197 | 453 | 205 | 39 | 17.7 |
| 2XTH-27 | 1263 | 3.844 | 2XTHP-27 | 1226 | 3.729 | 4 | | | | | | | 450 | 204 | 483 | 219 | 39 | 17.7 |
| 2XTH-29 | 1422 | 4.318 | 2XTHP-29 | 1379 | 4.189 | 4 | 15.27 | 388 | | | | | 503 | 228 | 522 | 237 | 50 | 22.7 |
| 2XTH-31 | 1523 | 4.627 | 2XTHP-31 | 1478 | 4.488 | 4 | | | | | | | 523 | 237 | 543 | 246 | 48 | 21.8 |
| 2XTH-33 | 1555 | 4.731 | 2XTHP-33 | 1508 | 4.589 | 4 | | | | | | | 550 | 249 | 568 | 258 | 41 | 18.6 |
| XT1L-35 | 1806 | 5.214 | XT1LP-35 | 1732 | 4.953 | 2 | 10.62 | 270 | 14.12 | 359 | 22.75 | 578 | 317 | 144 | 334 | 152 | 58 | 26.3 |
| XT1L-37 | 1904 | 5.521 | XT1LP-37 | 1834 | 5.245 | 2 | | | | | | | 328 | 149 | 345 | 156 | 56 | 25.4 |
| XT1L-39 | 2019 | 5.827 | XT1LP-39 | 1936 | 5.536 | 2 | | | | | | | 339 | 154 | 356 | 161 | 54 | 24.5 |
| XT1L-41 | 2085 | 6.018 | XT1LP-41 | 1999 | 5.717 | 2 | | | | | | | 350 | 159 | 367 | 166 | 52 | 23.6 |
| XT1L-43 | 2190 | 6.319 | XT1LP-43 | 2099 | 6.003 | 2 | 13.14 | 334 | | | | | 416 | 189 | 434 | 197 | 86 | 39.0 |
| XT1L-45 | 2294 | 6.620 | XT1LP-45 | 2199 | 6.289 | 2 | | | | | | | 427 | 194 | 445 | 202 | 84 | 38.1 |
| XT1L-47 | 2374 | 6.854 | XT1LP-47 | 2277 | 6.512 | 2 | | | | | | | 438 | 199 | 456 | 207 | 82 | 37.2 |
| XT1L-49 | 2454 | 7.083 | XT1LP-49 | 2353 | 6.729 | 2 | | | | | | | 449 | 204 | 467 | 212 | 80 | 36.3 |
| XT1L-51 | 2531 | 7.306 | XT1LP-51 | 2427 | 6.941 | 2 | | | | | | | 460 | 209 | 478 | 217 | 78 | 35.4 |
| XT1L-53 | 2606 | 7.523 | XT1LP-53 | 2499 | 7.147 | 2 | | | | | | | 471 | 214 | 489 | 222 | 76 | 34.5 |

† 8 Hour rate to 1.75 Vpc at 77°F (25°C), 1.215 Specific Gravity.
†† 15 min rate to 1.67 Vpc at 77°F (25°C), 1.250 Specific Gravity.

# XT SPECIFICATIONS

| 1.215* | Nominal rates to 1.75 Vpc average Amperes | | | | | | | Nominal rates to 1.67 Vpc average Kilowatts per cell | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Models | 1 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 8 Hr | 1 min | 5 min | 10 min | 15 min | 20 min | 30 min |
| XT4J-07 | 274 | 177 | 123 | 77 | 33 | 21 | 14 | 0.594 | 0.520 | 0.437 | 0.370 | 0.320 | 0.252 |
| XT4J-09 | 362 | 234 | 162 | 102 | 43 | 27 | 18 | 0.785 | 0.687 | 0.577 | 0.489 | 0.423 | 0.333 |
| XT4J-11 | 443 | 287 | 199 | 125 | 53 | 34 | 22 | 0.962 | 0.842 | 0.707 | 0.599 | 0.518 | 0.408 |
| XT4L-07 | 576 | 410 | 294 | 192 | 87 | 57 | 38 | 1.227 | 1.100 | 0.968 | 0.857 | 0.764 | 0.616 |
| XT4L-09 | 760 | 542 | 388 | 254 | 115 | 76 | 51 | 1.619 | 1.453 | 1.278 | 1.132 | 1.008 | 0.813 |
| 4XTH-11 | 892 | 693 | 530 | 350 | 151 | 97 | 64 | 1.990 | 1.790 | 1.582 | 1.413 | 1.273 | 1.059 |
| 4XTH-13 | 1071 | 832 | 636 | 420 | 181 | 117 | 76 | 2.388 | 2.148 | 1.899 | 1.695 | 1.528 | 1.270 |
| 4XTH-15 | 1249 | 971 | 743 | 490 | 211 | 136 | 89 | 2.786 | 2.506 | 2.215 | 1.978 | 1.782 | 1.482 |
| 4XTH-17 | 1360 | 1039 | 781 | 514 | 226 | 147 | 97 | 3.076 | 2.798 | 2.459 | 2.167 | 1.934 | 1.606 |
| 4XTH-19 | 1606 | 1248 | 955 | 630 | 271 | 175 | 114 | 3.583 | 3.221 | 2.848 | 2.543 | 2.292 | 1.905 |
| 4XTH-21 | 1700 | 1299 | 977 | 643 | 283 | 184 | 122 | 3.845 | 3.497 | 3.074 | 2.709 | 2.417 | 2.007 |
| 4XTH-23 | 1870 | 1428 | 1074 | 707 | 311 | 203 | 134 | 4.230 | 3.847 | 3.382 | 2.980 | 2.659 | 2.208 |
| 2XTH-25 | 2142 | 1664 | 1273 | 840 | 362 | 233 | 152 | 4.777 | 4.295 | 3.797 | 3.391 | 3.056 | 2.540 |
| 2XTH-27 | 2210 | 1688 | 1270 | 835 | 368 | 240 | 158 | 4.999 | 4.546 | 3.996 | 3.521 | 3.142 | 2.609 |
| 2XTH-29 | 2499 | 1941 | 1485 | 981 | 422 | 272 | 178 | 5.573 | 5.011 | 4.430 | 3.956 | 3.565 | 2.964 |
| 2XTH-31 | 2677 | 2080 | 1591 | 1051 | 452 | 291 | 190 | 5.971 | 5.369 | 4.746 | 4.238 | 3.819 | 3.176 |
| 2XTH-33 | 2720 | 2078 | 1563 | 1028 | 453 | 295 | 194 | 6.153 | 5.595 | 4.919 | 4.334 | 3.868 | 3.211 |
| XT1L-35 | 3015 | 2292 | 1696 | 1115 | 509 | 338 | 226 | 6.619 | 5.997 | 5.348 | 4.801 | 4.329 | 3.560 |
| XT1L-37 | 3177 | 2416 | 1787 | 1175 | 537 | 356 | 238 | 6.975 | 6.320 | 5.636 | 5.059 | 4.563 | 3.752 |
| XT1L-39 | 3369 | 2562 | 1895 | 1246 | 569 | 377 | 252 | 7.398 | 6.702 | 5.977 | 5.365 | 4.839 | 3.979 |
| XT1L-41 | 3480 | 2646 | 1957 | 1287 | 588 | 390 | 261 | 7.640 | 6.922 | 6.173 | 5.541 | 4.997 | 4.109 |
| XT1L-43 | 3654 | 2778 | 2055 | 1351 | 617 | 409 | 274 | 8.022 | 7.268 | 6.482 | 5.818 | 5.247 | 4.315 |
| XT1L-45 | 3828 | 2911 | 2153 | 1416 | 647 | 429 | 287 | 8.404 | 7.614 | 6.790 | 6.095 | 5.497 | 4.520 |
| XT1L-47 | 3963 | 3014 | 2229 | 1466 | 669 | 444 | 297 | 8.702 | 7.884 | 7.031 | 6.311 | 5.692 | 4.680 |
| XT1L-49 | 4095 | 3114 | 2304 | 1515 | 692 | 459 | 307 | 8.992 | 8.147 | 7.265 | 6.522 | 5.882 | 4.836 |
| XT1L-51 | 4224 | 3212 | 2376 | 1562 | 714 | 473 | 316 | 9.275 | 8.403 | 7.494 | 6.727 | 6.067 | 4.988 |
| XT1L-53 | 4350 | 3307 | 2447 | 1609 | 735 | 487 | 326 | 9.550 | 8.652 | 7.716 | 6.927 | 6.247 | 5.137 |

* 1.215 specific gravity @ 77°F (25°C) (includes connector voltage drop)

| 1.250** | Nominal rates to 1.75 Vpc average Amperes | | | | | | Nominal rates to 1.67 Vpc average Kilowatts per cell | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Models | 1 Min | 15 Min | 30 Min | 1 Hr | 2 Hr | 3 Hr | 1 min | 5 min | 10 min | 15 min | 20 min | 30 min |
| XT4JC-07 | 305 | 201 | 134 | 84 | 51 | 37 | 0.661 | 0.557 | 0.465 | 0.397 | 0.346 | 0.273 |
| XT4JC-09 | 403 | 266 | 177 | 111 | 67 | 48 | 0.873 | 0.736 | 0.614 | 0.524 | 0.456 | 0.360 |
| XT4JC-11 | 493 | 326 | 217 | 136 | 82 | 59 | 1.070 | 0.902 | 0.752 | 0.643 | 0.559 | 0.441 |
| XT4LC-07 | 638 | 460 | 341 | 227 | 140 | 102 | 1.344 | 1.210 | 1.063 | 0.941 | 0.842 | 0.698 |
| XT4LC-09 | 842 | 607 | 451 | 300 | 184 | 134 | 1.775 | 1.598 | 1.403 | 1.242 | 1.112 | 0.921 |
| 4XTHC-11 | 974 | 757 | 579 | 382 | 229 | 165 | 2.173 | 1.954 | 1.727 | 1.542 | 1.390 | 1.156 |
| 4XTHC-13 | 1169 | 908 | 695 | 459 | 275 | 198 | 2.608 | 2.344 | 2.072 | 1.851 | 1.668 | 1.387 |
| 4XTHC-15 | 1364 | 1060 | 811 | 535 | 321 | 230 | 3.042 | 2.735 | 2.418 | 2.159 | 1.946 | 1.618 |
| 4XTHC-17 | 1485 | 1134 | 853 | 561 | 340 | 247 | 3.358 | 3.054 | 2.685 | 2.366 | 2.111 | 1.752 |
| 4XTHC-19 | 1754 | 1362 | 1042 | 688 | 412 | 296 | 3.911 | 3.517 | 3.109 | 2.776 | 2.502 | 2.080 |
| 4XTHC-21 | 1856 | 1418 | 1066 | 701 | 426 | 309 | 4.198 | 3.818 | 3.356 | 2.957 | 2.639 | 2.191 |
| 4XTHC-23 | 2042 | 1559 | 1173 | 772 | 468 | 340 | 4.618 | 4.200 | 3.692 | 3.253 | 2.903 | 2.410 |
| 2XTHC-25 | 2338 | 1817 | 1390 | 918 | 549 | 395 | 5.215 | 4.689 | 4.145 | 3.701 | 3.336 | 2.774 |
| 2XTHC-27 | 2413 | 1843 | 1386 | 912 | 553 | 402 | 5.457 | 4.963 | 4.363 | 3.844 | 3.430 | 2.848 |
| 2XTHC-29 | 2728 | 2119 | 1621 | 1070 | 641 | 461 | 6.084 | 5.470 | 4.836 | 4.318 | 3.892 | 3.236 |
| 2XTHC-31 | 2923 | 2271 | 1737 | 1147 | 687 | 494 | 6.519 | 5.861 | 5.181 | 4.627 | 4.170 | 3.467 |
| 2XTHC-33 | 2970 | 2268 | 1706 | 1122 | 681 | 494 | 6.717 | 6.109 | 5.370 | 4.731 | 4.222 | 3.505 |
| XT1LC-35 | 3305 | 2500 | 1922 | 1307 | 808 | 589 | 7.165 | 6.520 | 5.813 | 5.214 | 4.711 | 3.934 |
| XT1LC-37 | 3499 | 2647 | 2035 | 1384 | 856 | 624 | 7.587 | 6.904 | 6.155 | 5.521 | 4.989 | 4.166 |
| XT1LC-39 | 3694 | 2794 | 2148 | 1461 | 903 | 659 | 8.008 | 7.287 | 6.497 | 5.827 | 5.266 | 4.397 |
| XT1LC-41 | 3815 | 2886 | 2218 | 1509 | 933 | 680 | 8.271 | 7.526 | 6.710 | 6.018 | 5.438 | 4.541 |
| XT1LC-43 | 4006 | 3030 | 2329 | 1584 | 979 | 714 | 8.684 | 7.902 | 7.045 | 6.319 | 5.710 | 4.769 |
| XT1LC-45 | 4196 | 3175 | 2440 | 1660 | 1026 | 748 | 9.098 | 8.279 | 7.381 | 6.620 | 5.982 | 4.996 |
| XT1LC-47 | 4345 | 3287 | 2527 | 1718 | 1062 | 775 | 9.420 | 8.572 | 7.642 | 6.854 | 6.194 | 5.172 |
| XT1LC-49 | 4490 | 3397 | 2611 | 1776 | 1098 | 800 | 9.734 | 8.858 | 7.897 | 7.083 | 6.400 | 5.345 |
| XT1LC-51 | 4631 | 3503 | 2693 | 1832 | 1132 | 826 | 10.040 | 9.136 | 8.145 | 7.306 | 6.602 | 5.513 |
| XT1LC-53 | 4768 | 3607 | 2773 | 1886 | 1166 | 850 | 10.338 | 9.408 | 8.387 | 7.523 | 6.798 | 5.677 |

** 1.250 specific gravity @ 77°F (25°C) (includes connector voltage drop)

# XT-PLUS SPECIFICATIONS

| 1.215* | Nominal rates to 1.75 Vpc average | | | | | | | Nominal rates to 1.67 Vpc average | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Amperes | | | | | | | Kilowatts per cell | | | | | |
| Models | 1 Min | 15 Min | 30 Min | 1 Hr | 3 Hr | 5 Hr | 8 Hr | 1 min | 5 min | 10 min | 15 min | 20 min | 30 min |
| XT4LP-07 | 547 | 390 | 280 | 183 | 83 | 55 | 36 | 1.165 | 1.045 | 0.920 | 0.814 | 0.726 | 0.585 |
| XT4LP-09 | 722 | 515 | 369 | 241 | 109 | 72 | 48 | 1.539 | 1.380 | 1.214 | 1.075 | 0.958 | 0.773 |
| 4XTHP-11 | 866 | 673 | 515 | 340 | 146 | 94 | 62 | 1.931 | 1.736 | 1.535 | 1.370 | 1.235 | 1.027 |
| 4XTHP-13 | 1039 | 807 | 617 | 408 | 176 | 113 | 74 | 2.317 | 2.083 | 1.842 | 1.644 | 1.482 | 1.232 |
| 4XTHP-15 | 1212 | 942 | 720 | 476 | 205 | 132 | 86 | 2.703 | 2.430 | 2.149 | 1.919 | 1.729 | 1.437 |
| 4XTHP-17 | 1319 | 1008 | 758 | 499 | 220 | 143 | 94 | 2.984 | 2.714 | 2.386 | 2.102 | 1.876 | 1.557 |
| 4XTHP-19 | 1558 | 1211 | 926 | 611 | 263 | 170 | 111 | 3.475 | 3.125 | 2.762 | 2.467 | 2.223 | 1.848 |
| 4XTHP-21 | 1649 | 1260 | 947 | 623 | 275 | 179 | 118 | 3.730 | 3.392 | 2.982 | 2.627 | 2.345 | 1.947 |
| 4XTHP-23 | 1814 | 1386 | 1042 | 686 | 302 | 197 | 130 | 4.103 | 3.731 | 3.280 | 2.890 | 2.579 | 2.141 |
| 2XTHP-25 | 2077 | 1614 | 1235 | 815 | 351 | 226 | 148 | 4.633 | 4.166 | 3.683 | 3.289 | 2.964 | 2.464 |
| 2XTHP-27 | 2144 | 1638 | 1232 | 810 | 357 | 232 | 153 | 4.849 | 4.410 | 3.877 | 3.416 | 3.048 | 2.531 |
| 2XTHP-29 | 2424 | 1883 | 1441 | 951 | 410 | 264 | 172 | 5.406 | 4.861 | 4.297 | 3.837 | 3.458 | 2.875 |
| 2XTHP-31 | 2597 | 2018 | 1543 | 1019 | 439 | 283 | 185 | 5.792 | 5.208 | 4.604 | 4.111 | 3.705 | 3.080 |
| 2XTHP-33 | 2639 | 2015 | 1516 | 997 | 439 | 286 | 189 | 5.968 | 5.428 | 4.771 | 4.204 | 3.751 | 3.115 |
| XT1LP-35 | 2868 | 2175 | 1617 | 1070 | 489 | 324 | 217 | 6.328 | 5.822 | 5.143 | 4.504 | 3.991 | 3.302 |
| XT1LP-37 | 3037 | 2303 | 1712 | 1132 | 518 | 343 | 229 | 6.700 | 6.165 | 5.445 | 4.769 | 4.226 | 3.496 |
| XT1LP-39 | 3206 | 2431 | 1807 | 1195 | 547 | 362 | 242 | 7.073 | 6.507 | 5.748 | 5.034 | 4.460 | 3.690 |
| XT1LP-41 | 3311 | 2511 | 1866 | 1235 | 565 | 374 | 250 | 7.304 | 6.720 | 5.936 | 5.199 | 4.606 | 3.811 |
| XT1LP-43 | 3476 | 2636 | 1960 | 1296 | 593 | 393 | 262 | 7.670 | 7.056 | 6.233 | 5.459 | 4.837 | 4.002 |
| XT1LP-45 | 3642 | 2762 | 2053 | 1358 | 621 | 411 | 275 | 8.035 | 7.393 | 6.530 | 5.719 | 5.067 | 4.193 |
| XT1LP-47 | 3771 | 2859 | 2126 | 1406 | 643 | 426 | 285 | 8.319 | 7.654 | 6.761 | 5.921 | 5.247 | 4.341 |
| XT1LP-49 | 3897 | 2955 | 2197 | 1453 | 664 | 440 | 294 | 8.597 | 7.909 | 6.986 | 6.119 | 5.421 | 4.486 |
| XT1LP-51 | 4019 | 3048 | 2266 | 1499 | 685 | 454 | 303 | 8.867 | 8.158 | 7.206 | 6.311 | 5.592 | 4.627 |
| XT1LP-53 | 4139 | 3138 | 2333 | 1543 | 706 | 468 | 312 | 9.130 | 8.401 | 7.420 | 6.499 | 5.758 | 4.764 |

* 1.215 specific gravity @ 77°F (25°C) (includes connector voltage drop)

| 1.250** | Nominal rates to 1.75 Vpc average | | | | | | Nominal rates to 1.67 Vpc average | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Amperes | | | | | | Kilowatts per cell | | | | | |
| Models | 1 Min | 15 Min | 30 Min | 1 Hr | 2 Hr | 3 Hr | 1 min | 5 min | 10 min | 15 min | 20 min | 30 min |
| XT4LCP-07 | 606 | 437 | 324 | 216 | 133 | 97 | 1.277 | 1.150 | 1.010 | 0.894 | 0.800 | 0.663 |
| XT4LCP-09 | 800 | 577 | 428 | 285 | 175 | 128 | 1.686 | 1.518 | 1.333 | 1.180 | 1.056 | 0.875 |
| 4XTHCP-11 | 945 | 734 | 562 | 371 | 222 | 160 | 2.108 | 1.895 | 1.675 | 1.496 | 1.348 | 1.121 |
| 4XTHCP-13 | 1134 | 881 | 674 | 445 | 267 | 192 | 2.529 | 2.274 | 2.010 | 1.795 | 1.618 | 1.345 |
| 4XTHCP-15 | 1323 | 1028 | 786 | 519 | 311 | 224 | 2.951 | 2.653 | 2.345 | 2.094 | 1.888 | 1.570 |
| 4XTHCP-17 | 1440 | 1100 | 827 | 544 | 330 | 240 | 3.258 | 2.963 | 2.604 | 2.295 | 2.048 | 1.700 |
| 4XTHCP-19 | 1701 | 1322 | 1011 | 667 | 400 | 287 | 3.794 | 3.411 | 3.015 | 2.693 | 2.427 | 2.018 |
| 4XTHCP-21 | 1800 | 1375 | 1034 | 680 | 413 | 300 | 4.072 | 3.703 | 3.255 | 2.868 | 2.560 | 2.125 |
| 4XTHCP-23 | 1981 | 1513 | 1138 | 748 | 454 | 330 | 4.479 | 4.074 | 3.581 | 3.155 | 2.815 | 2.337 |
| 2XTHCP-25 | 2268 | 1762 | 1348 | 890 | 533 | 383 | 5.059 | 4.548 | 4.021 | 3.590 | 3.236 | 2.691 |
| 2XTHCP-27 | 2341 | 1788 | 1345 | 884 | 537 | 390 | 5.294 | 4.814 | 4.232 | 3.729 | 3.327 | 2.762 |
| 2XTHCP-29 | 2646 | 2056 | 1573 | 1038 | 622 | 447 | 5.902 | 5.306 | 4.691 | 4.189 | 3.775 | 3.139 |
| 2XTHCP-31 | 2835 | 2203 | 1685 | 1112 | 666 | 479 | 6.323 | 5.685 | 5.026 | 4.488 | 4.045 | 3.363 |
| 2XTHCP-33 | 2881 | 2200 | 1655 | 1089 | 660 | 479 | 6.515 | 5.925 | 5.209 | 4.589 | 4.095 | 3.400 |
| XT1LCP-35 | 3140 | 2375 | 1826 | 1242 | 768 | 560 | 6.807 | 6.194 | 5.522 | 4.953 | 4.476 | 3.738 |
| XT1LCP-37 | 3325 | 2515 | 1933 | 1315 | 813 | 593 | 7.208 | 6.559 | 5.847 | 5.245 | 4.739 | 3.958 |
| XT1LCP-39 | 3509 | 2655 | 2041 | 1388 | 858 | 626 | 7.608 | 6.923 | 6.172 | 5.536 | 5.003 | 4.177 |
| XT1LCP-41 | 3624 | 2742 | 2108 | 1433 | 886 | 646 | 7.857 | 7.150 | 6.374 | 5.717 | 5.166 | 4.314 |
| XT1LCP-43 | 3805 | 2879 | 2213 | 1505 | 930 | 679 | 8.250 | 7.507 | 6.693 | 6.003 | 5.425 | 4.530 |
| XT1LCP-45 | 3987 | 3016 | 2318 | 1577 | 975 | 711 | 8.643 | 7.865 | 7.012 | 6.289 | 5.683 | 4.746 |
| XT1LCP-47 | 4128 | 3123 | 2400 | 1633 | 1009 | 736 | 8.949 | 8.143 | 7.260 | 6.512 | 5.884 | 4.914 |
| XT1LCP-49 | 4265 | 3227 | 2480 | 1687 | 1043 | 761 | 9.248 | 8.415 | 7.502 | 6.729 | 6.081 | 5.078 |
| XT1LCP-51 | 4400 | 3328 | 2558 | 1740 | 1076 | 784 | 9.538 | 8.679 | 7.738 | 6.941 | 6.272 | 5.237 |
| XT1LCP-53 | 4530 | 3427 | 2634 | 1792 | 1108 | 808 | 9.822 | 8.937 | 7.968 | 7.147 | 6.458 | 5.393 |

** 1.250 specific gravity @ 77°F (25°C) (includes connector voltage drop)

# C&D TECHNOLOGIES

## EXPERIENCE WITH A PROUD HISTORY


C&D started in 1906 as the dream of two high school students named Frank Carlile and Leon Doughty in Conshohocken, PA under the name C&D Electrical. Since then, C&D has been a leader in advancing battery technology, including being the first battery manufacturer to successfully manufacture flooded lead calcium batteries. C&D promoted acceptance of Lead Calcium through consistent quality and reliable performance so it is now considered the standard for reserve power applications. C&D also leads the way in bringing advanced technology VRLA batteries to the market with the lowest float current battery on the market without requiring expensive catalysts.

Today, C&D operates Worldwide with over 3,000 employees. C&D products provide reserve power systems to leading operators of telecommunications, data transmission, infrastructure computer systems and utilities to enable them to maintain critical operations during power outages. Since the inception of the UPS industry, C&D has provided back-up batteries designed specifically for UPS applications and can be found in UPS systems around the world. We currently provide back-up power for every major bank, financial institution and telecommunications provider in North America.

We continue to be the leader in high quality, long lasting batteries for all applications. Our continued success is due to our Products, our People and our Sales Partners. However, we could not have stayed in business 100 years without our Loyal Customers. For them our focus is on providing the best quality products at competitive prices, with the service and support that they demand, and to which they are entitled.

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 **Printed in U.S.A. 12-1023 5M/0808/CD**