



# SPECIFICATIONS

## General Purpose/Long Duration Flooded Batteries

NXT — LEAD CALCIUM

## GENERAL PURPOSE / LONG DURATION NXT — LEAD CALCIUM

**CAPACITIES — 621 to 2620 A.H.  
8 HOUR RATE TO 1.75 V.P.C. @ 77°F (25°C)**

**20 YEAR DESIGN LIFE**

### SPECIFICATIONS

**Material** — Container - Styrene-Acrylonitrile (SAN)  
Cover - Acrylonitrile Butadiene Styrene (ABS)

**Optional** — Polycarbonate Container & Cover, All Plate Counts  
PVC Container & Cover, 27 - 29 Plate Counts Only

**Grid Alloy** — Positive - Lead-Calcium-Tin  
Negative - Lead-Calcium

**Separators** — Microporous Material

**Retainers** — Fiberglass Material

**Posts** — NXT-09 to NXT-19 Two 1.5" (38.1 mm) square  
NXT-21 to NXT-29 Four 1.0" (25.4 mm) square  
NXT-31 to NXT-39 Four 1.5" (38.1 mm) square

**Post Seals** — Floating "O" Ring - Seal Nut

**Vents** — "Pre-Vent" Flame Arrester

**Level Lines** — High and Low - All Container Surfaces

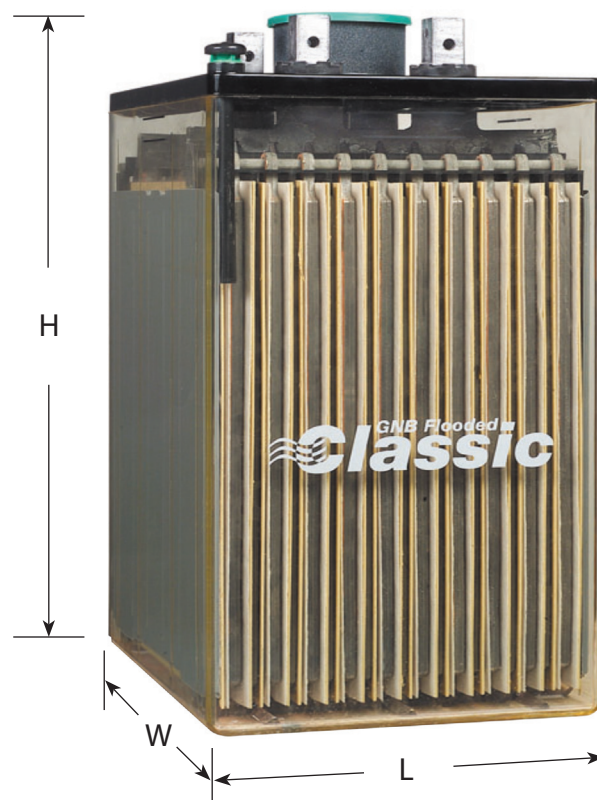
**Electrolyte** — Height Above plates - 2.75" (69.9 mm)

**Electrolyte Withdrawal Tubes** — 2 per cell

**Sediment Space** — 1.06" (26.9 mm)

**Specific Gravity** — 1.215 @ 77°F (25°C)

**Inter-Cell Connectors** — Lead Plated Copper



| Plate Dimensions      | Height            | Width             | Thickness          |
|-----------------------|-------------------|-------------------|--------------------|
| <b>Positive Plate</b> | 15.0 in<br>381 mm | 12.5 in<br>317 mm | 0.215 in<br>5.5 mm |
| <b>Negative Plate</b> | 15.0 in<br>381 mm | 12.5 in<br>317 mm | 0.165 in<br>5.5 mm |

| Cell Type | Amp-Hour Capacity <sup>1</sup> | Overall Dimensions - in (mm) |  |            |  |             |  | Approximate Weight |                 | Electrolyte Per Cell gal. (liters) |
|-----------|--------------------------------|------------------------------|--|------------|--|-------------|--|--------------------|-----------------|------------------------------------|
|           |                                | Length                       |  | Width      |  | Height      |  | Net lbs (kg)       | Packed lbs (kg) |                                    |
| NXT-09    | 621                            | 7.38 (187)                   |  | 14.5 (368) |  | 22.13 (562) |  | 140 (63.5)         | 147 (66.7)      | 6.3 (24.0)                         |
| NXT-11    | 753                            |                              |  |            |  |             |  | 153 (69.4)         | 160 (72.6)      | 6.1 (23.2)                         |
| NXT-13    | 874                            |                              |  |            |  |             |  | 166 (75.3)         | 185 (83.9)      | 5.9 (22.4)                         |
| NXT-15    | 986                            |                              |  |            |  |             |  | 179 (81.2)         | 186 (84.4)      | 5.7 (21.7)                         |
| NXT-17    | 1088                           |                              |  |            |  |             |  | 192 (87.1)         | 199 (90.3)      | 5.5 (20.9)                         |
| NXT-19    | 1181                           | ↓                            |  |            |  | ↓           |  | 205 (92.9)         | 212 (96.2)      | 5.3 (20.1)                         |
| NXT-21    | 1358                           |                              |  |            |  |             |  | 238 (108.0)        | 248 (112.5)     | 7.3 (27.5)                         |
| NXT-23    | 1475                           | ↓                            |  |            |  |             |  | 251 (113.9)        | 261 (118.4)     | 7.1 (26.7)                         |
| NXT-25    | 1589                           |                              |  |            |  |             |  | 264 (119.7)        | 274 (124.3)     | 6.9 (25.9)                         |
| NXT-27    | 1753                           | 11.38 (289)                  |  |            |  |             |  | 300 (136.1)        | 310 (140.6)     | 8.9 (33.7)                         |
| NXT-29    | 1888                           | ↓                            |  |            |  |             |  | 313 (142)          | 323 (146.5)     | 8.7 (32.9)                         |
| NXT-31    | 2141                           |                              |  |            |  |             |  | 373 (169.1)        | 387 (175.5)     | 12.1 (45.6)                        |
| NXT-33    | 2264                           |                              |  |            |  |             |  | 386 (174.9)        | 400 (181.4)     | 11.8 (44.8)                        |
| NXT-35    | 2385                           |                              |  |            |  |             |  | 399 (180.8)        | 413 (187.3)     | 11.6 (44.1)                        |
| NXT-37    | 2504                           |                              |  |            |  |             |  | 411 (186.7)        | 425 (192.8)     | 11.4 (43.3)                        |
| NXT-39    | 2620                           | ↓                            |  | ↓          |  | ↓           |  | 424 (192.5)        | 438 (198.7)     | 11.2 (42.5)                        |

<sup>1</sup>8 hour rate to 1.75 VPC @ 77°F (25°C)

### Amperes to 1.75 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 34.6    | 39.7    | 58.4    | 66.8    | 71.4   | 77.7   | 85.6   | 94.2   | 106.5  | 122.4  | 146    | 183    | 282   | 401     | 481     | 600    |
| NXT-11    | 41.9    | 48.0    | 70.3    | 80.5    | 86.3   | 94.1   | 103.7  | 114.6  | 129.8  | 149.8  | 179    | 227    | 349   | 496     | 596     | 734    |
| NXT-13    | 48.8    | 55.7    | 81.2    | 93.1    | 99.9   | 109.3  | 120.6  | 133.7  | 151.8  | 175.9  | 211    | 271    | 414   | 588     | 710     | 861    |
| NXT-15    | 55.1    | 62.8    | 90.9    | 104.5   | 112.4  | 123.3  | 136.3  | 151.6  | 172.5  | 200.7  | 243    | 313    | 478   | 679     | 822     | 981    |
| NXT-17    | 60.9    | 69.2    | 99.6    | 114.8   | 123.7  | 136.0  | 150.6  | 168.1  | 191.9  | 224.3  | 273    | 355    | 541   | 768     | 932     | 1094   |
| NXT-19    | 66.2    | 75.1    | 107.2   | 123.9   | 133.8  | 147.6  | 163.6  | 183.4  | 209.9  | 246.5  | 302    | 396    | 602   | 854     | 1041    | 1201   |
| NXT-21    | 76.9    | 88.4    | 130.2   | 148.1   | 157.3  | 169.8  | 188.4  | 211.6  | 242.9  | 287.7  | 355    | 456    | 691   | 936     | 1162    | 1419   |
| NXT-23    | 81.1    | 93.4    | 138.6   | 158.7   | 169.6  | 184.4  | 204.6  | 230.2  | 264.9  | 314.5  | 391    | 502    | 771   | 1041    | 1272    | 1542   |
| NXT-25    | 84.7    | 97.7    | 146.1   | 168.5   | 181.3  | 198.6  | 220.3  | 248.4  | 286.4  | 341.0  | 427    | 549    | 854   | 1149    | 1380    | 1662   |
| NXT-27    | 95.0    | 109.3   | 162.2   | 186.5   | 200.4  | 219.1  | 242.6  | 272.9  | 313.7  | 365.7  | 440    | 567    | 877   | 1161    | 1418    | 1739   |
| NXT-29    | 102.3   | 117.7   | 174.7   | 200.8   | 215.8  | 236.0  | 261.2  | 293.9  | 337.9  | 393.8  | 474    | 611    | 944   | 1250    | 1527    | 1873   |
| NXT-31    | 112.0   | 129.3   | 193.7   | 223.5   | 240.6  | 267.6  | 292.6  | 324.4  | 373.6  | 429.0  | 513    | 673    | 1006  | 1364    | 1785    | 2129   |
| NXT-33    | 118.9   | 137.2   | 205.6   | 237.3   | 255.4  | 283.0  | 310.6  | 345.9  | 398.5  | 457.6  | 547    | 718    | 1073  | 1455    | 1904    | 2271   |
| NXT-35    | 125.7   | 145.1   | 217.4   | 250.9   | 270.0  | 298.2  | 328.4  | 367.3  | 417.7  | 483.7  | 576    | 758    | 1140  | 1541    | 1947    | 2391   |
| NXT-37    | 132.4   | 152.8   | 229.1   | 264.3   | 284.5  | 313.0  | 346.1  | 388.7  | 445.3  | 513.5  | 613    | 798    | 1216  | 1626    | 1981    | 2509   |
| NXT-39    | 139.1   | 160.5   | 240.6   | 277.6   | 298.8  | 327.5  | 363.5  | 410.1  | 473.2  | 543.4  | 650    | 837    | 1292  | 1711    | 2007    | 2624   |

### Amperes to 1.78 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 34.3    | 39.3    | 58.1    | 66.3    | 70.9   | 77.2   | 85.2   | 93.4   | 104.9  | 121.2  | 143    | 179    | 264   | 382     | 468     | 528    |
| NXT-11    | 41.6    | 47.6    | 69.8    | 80.0    | 85.7   | 93.4   | 103.1  | 113.5  | 127.9  | 148.2  | 175    | 221    | 329   | 473     | 571     | 646    |
| NXT-13    | 48.4    | 55.3    | 80.5    | 92.4    | 99.2   | 108.4  | 119.7  | 132.3  | 149.7  | 174.0  | 207    | 262    | 393   | 561     | 668     | 759    |
| NXT-15    | 54.7    | 62.4    | 90.2    | 103.7   | 111.6  | 122.2  | 135.0  | 149.8  | 170.1  | 198.4  | 237    | 303    | 457   | 647     | 759     | 866    |
| NXT-17    | 60.6    | 68.8    | 98.7    | 113.8   | 122.7  | 134.7  | 149.0  | 166.1  | 189.2  | 221.5  | 266    | 342    | 521   | 732     | 845     | 967    |
| NXT-19    | 65.9    | 74.6    | 106.1   | 122.8   | 132.7  | 146.0  | 161.6  | 181.0  | 207.1  | 243.3  | 294    | 381    | 584   | 814     | 925     | 1063   |
| NXT-21    | 76.2    | 87.7    | 130.3   | 146.8   | 155.8  | 168.1  | 185.7  | 208.1  | 238.1  | 281.0  | 348    | 440    | 647   | 864     | 1066    | 1250   |
| NXT-23    | 80.5    | 92.6    | 137.7   | 156.7   | 167.4  | 181.9  | 201.2  | 226.0  | 259.3  | 307.1  | 382    | 487    | 719   | 968     | 1176    | 1362   |
| NXT-25    | 84.1    | 96.8    | 144.1   | 165.9   | 178.3  | 195.1  | 216.1  | 243.3  | 280.1  | 332.8  | 416    | 534    | 786   | 1046    | 1235    | 1472   |
| NXT-27    | 93.7    | 107.8   | 160.4   | 184.6   | 198.4  | 217.0  | 240.4  | 270.6  | 311.4  | 358.9  | 425    | 540    | 815   | 1065    | 1276    | 1539   |
| NXT-29    | 100.9   | 116.1   | 172.7   | 198.8   | 213.6  | 233.7  | 258.9  | 291.4  | 335.3  | 386.5  | 458    | 582    | 878   | 1147    | 1374    | 1657   |
| NXT-31    | 111.1   | 128.2   | 191.8   | 221.2   | 238.0  | 264.5  | 288.9  | 319.9  | 368.8  | 422.3  | 503    | 655    | 951   | 1253    | 1603    | 1883   |
| NXT-33    | 118.0   | 136.0   | 203.6   | 234.7   | 252.6  | 279.8  | 306.8  | 341.2  | 393.4  | 450.5  | 537    | 698    | 1014  | 1336    | 1710    | 2009   |
| NXT-35    | 124.7   | 143.8   | 215.2   | 248.2   | 267.1  | 294.8  | 324.4  | 362.5  | 413.6  | 478.5  | 564    | 739    | 1078  | 1420    | 1794    | 2118   |
| NXT-37    | 131.4   | 151.5   | 226.7   | 261.5   | 281.4  | 309.4  | 341.9  | 383.8  | 440.2  | 506.5  | 601    | 779    | 1141  | 1523    | 1875    | 2226   |
| NXT-39    | 138.0   | 159.2   | 238.2   | 274.6   | 295.5  | 323.8  | 359.2  | 405.1  | 467.1  | 534.4  | 637    | 818    | 1205  | 1629    | 1954    | 2331   |

### Amperes to 1.80 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 34.2    | 39.2    | 57.7    | 65.9    | 70.5   | 76.7   | 84.6   | 92.8   | 104.1  | 120.0  | 141    | 177    | 254   | 373     | 455     | 480    |
| NXT-11    | 41.5    | 47.4    | 69.4    | 79.4    | 85.1   | 92.8   | 102.3  | 112.6  | 126.8  | 146.6  | 173    | 218    | 315   | 455     | 552     | 588    |
| NXT-13    | 48.3    | 55.1    | 80.1    | 91.8    | 98.5   | 107.6  | 118.7  | 131.1  | 148.1  | 171.8  | 204    | 258    | 377   | 533     | 643     | 691    |
| NXT-15    | 54.6    | 62.1    | 89.6    | 103.0   | 110.8  | 121.1  | 133.7  | 148.3  | 168.0  | 195.7  | 233    | 297    | 437   | 607     | 727     | 789    |
| NXT-17    | 60.4    | 68.5    | 98.0    | 113.1   | 121.8  | 133.4  | 147.4  | 164.1  | 186.6  | 218.1  | 261    | 335    | 497   | 676     | 805     | 882    |
| NXT-19    | 65.7    | 74.3    | 105.4   | 121.9   | 131.6  | 144.4  | 159.7  | 178.6  | 203.9  | 239.2  | 288    | 371    | 556   | 741     | 876     | 970    |
| NXT-21    | 75.7    | 87.1    | 129.1   | 145.9   | 154.8  | 167.0  | 184.0  | 205.8  | 235.0  | 276.6  | 342    | 434    | 620   | 801     | 976     | 1137   |
| NXT-23    | 80.0    | 92.0    | 136.5   | 155.5   | 166.0  | 180.2  | 199.0  | 223.2  | 255.7  | 302.2  | 375    | 477    | 688   | 891     | 1082    | 1242   |
| NXT-25    | 83.7    | 96.3    | 142.8   | 164.2   | 176.3  | 192.8  | 213.4  | 240.0  | 275.9  | 327.4  | 408    | 521    | 750   | 973     | 1171    | 1345   |
| NXT-27    | 92.6    | 106.9   | 160.2   | 184.3   | 197.3  | 215.2  | 236.9  | 267.2  | 305.7  | 354.9  | 417    | 524    | 775   | 999     | 1196    | 1406   |
| NXT-29    | 99.8    | 115.1   | 172.5   | 198.5   | 212.4  | 231.7  | 255.1  | 287.7  | 329.2  | 382.2  | 449    | 564    | 835   | 1076    | 1288    | 1514   |
| NXT-31    | 110.5   | 127.4   | 190.5   | 219.6   | 236.2  | 262.5  | 286.5  | 317.0  | 365.6  | 417.6  | 493    | 639    | 919   | 1179    | 1435    | 1719   |
| NXT-33    | 117.3   | 135.3   | 202.2   | 233.1   | 250.7  | 277.7  | 304.2  | 338.2  | 390.0  | 445.4  | 526    | 681    | 981   | 1257    | 1531    | 1834   |
| NXT-35    | 124.1   | 143.0   | 213.8   | 246.4   | 265.1  | 292.5  | 321.8  | 359.4  | 409.7  | 472.8  | 557    | 723    | 1040  | 1336    | 1627    | 1936   |
| NXT-37    | 130.7   | 150.7   | 225.2   | 259.6   | 279.3  | 307.1  | 339.2  | 380.6  | 436.3  | 500.9  | 591    | 764    | 1098  | 1433    | 1765    | 2037   |
| NXT-39    | 137.3   | 158.2   | 236.5   | 272.7   | 293.3  | 321.3  | 356.4  | 401.8  | 463.1  | 529.0  | 625    | 804    | 1157  | 1532    | 1907    | 2136   |

### Amperes to 1.81 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 34.0    | 38.9    | 57.2    | 65.4    | 69.9   | 76.1   | 83.8   | 91.9   | 103.0  | 118.6  | 139    | 174    | 245   | 351     | 422     | 451    |
| NXT-11    | 41.2    | 47.1    | 68.8    | 78.7    | 84.2   | 91.8   | 101.2  | 111.4  | 125.3  | 144.7  | 171    | 214    | 305   | 432     | 516     | 553    |
| NXT-13    | 48.0    | 54.7    | 79.4    | 90.8    | 97.4   | 106.1  | 117.1  | 129.4  | 146.1  | 169.4  | 201    | 253    | 364   | 509     | 607     | 650    |
| NXT-15    | 54.3    | 61.7    | 88.8    | 101.7   | 109.2  | 119.2  | 131.5  | 146.1  | 165.5  | 192.6  | 229    | 290    | 423   | 584     | 693     | 743    |
| NXT-17    | 60.1    | 68.1    | 97.2    | 111.4   | 119.8  | 130.9  | 144.5  | 161.3  | 183.4  | 214.5  | 257    | 327    | 482   | 656     | 774     | 831    |
| NXT-19    | 65.4    | 73.9    | 104.5   | 119.9   | 129.2  | 141.2  | 156.0  | 175.2  | 200.0  | 234.9  | 283    | 362    | 540   | 725     | 851     | 915    |
| NXT-21    | 75.0    | 86.3    | 128.1   | 144.7   | 153.3  | 165.2  | 181.8  | 203.1  | 231.6  | 272.1  | 335    | 424    | 610   | 790     | 938     | 1069   |
| NXT-23    | 79.4    | 91.3    | 135.2   | 153.9   | 164.1  | 178.0  | 196.4  | 220.0  | 251.8  | 297.1  | 368    | 467    | 678   | 878     | 1041    | 1169   |
| NXT-25    | 83.2    | 95.5    | 141.2   | 162.2   | 174.1  | 190.2  | 210.4  | 236.4  | 271.4  | 321.6  | 401    | 510    | 735   | 953     | 1140    | 1269   |
| NXT-27    | 92.0    | 106.1   | 158.6   | 182.0   | 194.5  | 211.2  | 232.6  | 262.0  | 301.1  | 348.6  | 411    | 507    | 758   | 984     | 1165    | 1326   |
| NXT-29    | 99.1    | 114.2   | 170.8   | 196.0   | 209.4  | 227.5  | 250.5  | 282.2  | 324.3  | 375.5  | 442    | 546    | 805   | 1049    | 1243    | 1428   |
| NXT-31    | 109.9   | 126.6   | 188.9   | 217.6   | 234.0  | 259.9  | 283.7  | 313.9  | 361.6  | 413.1  | 486    | 623    | 890   | 1142    | 1381    | 1621   |
| NXT-33    | 116.6   | 134.3   | 200.5   | 231.0   | 248.4  | 274.9  | 301.2  | 334.8  | 385.7  | 440.7  | 518    | 665    | 950   | 1218    | 1473    | 1729   |
| NXT-35    | 123.3   | 142.0   | 212.0   | 244.2   | 262.6  | 289.7  | 318.6  | 355.7  | 405.5  | 466.7  | 549    | 706    | 1007  | 1294    | 1565    | 1827   |
| NXT-37    | 129.9   | 149.6   | 223.3   | 257.3   | 276.7  | 304.1  | 335.8  | 376.6  | 431.6  | 494.9  | 582    | 746    | 1064  | 1386    | 1681    | 1923   |
| NXT-39    | 136.4   | 157.2   | 234.6   | 270.2   | 290.6  | 318.2  | 352.8  | 397.5  | 458.0  | 523.3  | 615    | 787    | 1120  | 1480    | 1799    | 2019   |

### Amperes to 1.83 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 33.6    | 38.5    | 56.3    | 64.1    | 68.5   | 74.6   | 82.0   | 90.0   | 100.7  | 115.6  | 136    | 167    | 229   | 305     | 377     | 408    |
| NXT-11    | 40.8    | 46.6    | 67.7    | 77.2    | 82.6   | 89.9   | 98.9   | 109.0  | 122.3  | 140.9  | 166    | 205    | 285   | 382     | 463     | 500    |
| NXT-13    | 47.5    | 54.1    | 78.0    | 89.1    | 95.4   | 103.8  | 114.5  | 126.6  | 142.5  | 164.7  | 195    | 242    | 340   | 458     | 546     | 589    |
| NXT-15    | 53.7    | 61.0    | 87.3    | 99.8    | 107.0  | 116.5  | 128.6  | 142.8  | 161.2  | 187.0  | 222    | 278    | 395   | 534     | 625     | 673    |
| NXT-17    | 59.5    | 67.3    | 95.5    | 109.3   | 117.3  | 127.8  | 141.3  | 157.6  | 178.5  | 207.8  | 248    | 312    | 449   | 610     | 701     | 754    |
| NXT-19    | 64.7    | 73.0    | 102.6   | 117.6   | 126.4  | 137.7  | 152.5  | 171.0  | 194.4  | 227.2  | 272    | 345    | 502   | 686     | 774     | 832    |
| NXT-21    | 73.5    | 84.7    | 126.5   | 142.3   | 150.5  | 161.6  | 177.4  | 197.7  | 224.9  | 263.3  | 323    | 407    | 582   | 728     | 865     | 967    |
| NXT-23    | 78.1    | 89.7    | 132.9   | 150.9   | 160.5  | 173.8  | 191.3  | 213.8  | 244.0  | 287.0  | 354    | 448    | 639   | 810     | 969     | 1061   |
| NXT-25    | 82.1    | 94.1    | 138.2   | 158.3   | 169.7  | 185.2  | 204.4  | 229.2  | 262.6  | 310.3  | 385    | 488    | 673   | 892     | 1030    | 1155   |
| NXT-27    | 90.7    | 104.4   | 155.4   | 178.9   | 191.0  | 206.8  | 226.4  | 255.6  | 293.8  | 341.3  | 402    | 492    | 699   | 935     | 1050    | 1206   |
| NXT-29    | 97.7    | 112.5   | 167.4   | 192.7   | 205.7  | 222.8  | 243.8  | 275.3  | 316.4  | 367.6  | 432    | 529    | 750   | 1003    | 1116    | 1299   |
| NXT-31    | 108.5   | 124.9   | 185.7   | 213.7   | 229.7  | 254.7  | 278.0  | 307.7  | 353.5  | 404.7  | 472    | 596    | 837   | 1088    | 1248    | 1474   |
| NXT-33    | 115.2   | 132.5   | 197.1   | 226.9   | 243.8  | 269.4  | 295.2  | 328.1  | 377.1  | 431.7  | 503    | 635    | 893   | 1161    | 1331    | 1572   |
| NXT-35    | 121.8   | 140.1   | 208.4   | 239.9   | 257.8  | 283.9  | 312.2  | 348.5  | 397.0  | 458.1  | 535    | 673    | 946   | 1217    | 1415    | 1663   |
| NXT-37    | 128.3   | 147.6   | 219.6   | 252.7   | 271.6  | 298.2  | 329.1  | 368.8  | 422.3  | 485.4  | 567    | 714    | 1000  | 1297    | 1533    | 1753   |
| NXT-39    | 134.7   | 155.0   | 230.6   | 265.4   | 285.2  | 312.1  | 345.7  | 389.2  | 447.8  | 512.6  | 598    | 754    | 1052  | 1379    | 1655    | 1843   |

### Amperes to 1.85 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 33.3    | 38.0    | 55.3    | 63.0    | 67.2   | 73.0   | 80.2   | 88.2   | 98.5   | 112.8  | 132    | 161    | 216   | 281     | 328     | 359    |
| NXT-11    | 40.4    | 46.0    | 66.5    | 75.8    | 80.9   | 88.0   | 96.7   | 106.6  | 119.4  | 137.2  | 161    | 197    | 267   | 352     | 404     | 442    |
| NXT-13    | 47.0    | 53.4    | 76.7    | 87.4    | 93.4   | 101.6  | 111.8  | 123.7  | 138.8  | 160.1  | 189    | 232    | 317   | 423     | 477     | 521    |
| NXT-15    | 53.2    | 60.3    | 85.8    | 97.9    | 104.7  | 113.9  | 125.5  | 139.2  | 156.8  | 181.4  | 215    | 266    | 366   | 494     | 547     | 597    |
| NXT-17    | 58.9    | 66.5    | 93.9    | 107.1   | 114.8  | 124.9  | 137.8  | 153.4  | 173.3  | 201.2  | 240    | 298    | 414   | 565     | 615     | 669    |
| NXT-19    | 64.1    | 72.1    | 100.9   | 115.2   | 123.6  | 134.6  | 148.7  | 166.1  | 188.3  | 219.5  | 263    | 328    | 461   | 636     | 680     | 739    |
| NXT-21    | 71.9    | 83.0    | 124.4   | 140.1   | 147.8  | 158.3  | 172.1  | 192.4  | 219.6  | 256.5  | 311    | 392    | 546   | 685     | 772     | 854    |
| NXT-23    | 76.8    | 88.2    | 130.4   | 147.9   | 157.1  | 169.7  | 185.7  | 207.7  | 237.2  | 278.2  | 340    | 430    | 593   | 763     | 840     | 941    |
| NXT-25    | 81.2    | 92.7    | 135.3   | 154.6   | 165.5  | 180.2  | 198.6  | 222.3  | 254.0  | 299.1  | 370    | 469    | 620   | 828     | 883     | 1028   |
| NXT-27    | 89.2    | 102.7   | 153.1   | 175.6   | 187.0  | 202.1  | 220.5  | 247.8  | 284.7  | 332.2  | 393    | 476    | 641   | 869     | 910     | 1073   |
| NXT-29    | 96.0    | 110.6   | 164.9   | 189.1   | 201.4  | 217.6  | 237.4  | 266.8  | 306.6  | 357.8  | 423    | 512    | 687   | 935     | 973     | 1155   |
| NXT-31    | 107.2   | 123.2   | 182.6   | 209.9   | 225.4  | 251.3  | 275.2  | 305.6  | 345.6  | 396.9  | 462    | 565    | 790   | 1019    | 1087    | 1310   |
| NXT-33    | 113.7   | 130.7   | 193.8   | 222.8   | 239.3  | 265.5  | 291.5  | 324.7  | 368.6  | 423.4  | 493    | 602    | 842   | 1087    | 1160    | 1397   |
| NXT-35    | 120.2   | 138.2   | 204.9   | 235.5   | 253.0  | 279.3  | 307.5  | 343.6  | 389.7  | 448.1  | 523    | 642    | 893   | 1155    | 1232    | 1481   |
| NXT-37    | 126.7   | 145.6   | 215.9   | 248.2   | 266.5  | 292.9  | 323.2  | 362.3  | 413.7  | 475.4  | 552    | 683    | 943   | 1225    | 1374    | 1564   |
| NXT-39    | 133.1   | 152.9   | 226.8   | 260.6   | 279.9  | 306.0  | 338.7  | 380.9  | 437.8  | 502.8  | 582    | 723    | 993   | 1297    | 1523    | 1647   |

### Amperes to 1.88 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 32.5    | 36.8    | 52.4    | 59.2    | 63.0   | 68.1   | 74.4   | 82.4   | 90.9   | 103.8  | 123    | 147    | 198   | 236     | 256     | 287    |
| NXT-11    | 39.3    | 44.5    | 63.0    | 71.2    | 75.8   | 82.0   | 89.6   | 99.4   | 110.1  | 126.0  | 149    | 180    | 242   | 295     | 315     | 354    |
| NXT-13    | 45.6    | 51.5    | 72.6    | 82.1    | 87.3   | 94.6   | 103.6  | 115.0  | 128.0  | 146.6  | 174    | 211    | 285   | 354     | 372     | 419    |
| NXT-15    | 51.3    | 57.8    | 81.2    | 91.8    | 97.7   | 105.9  | 116.2  | 129.2  | 144.4  | 165.8  | 197    | 240    | 326   | 413     | 427     | 481    |
| NXT-17    | 56.5    | 63.6    | 88.9    | 100.4   | 106.9  | 116.0  | 127.4  | 141.9  | 159.4  | 183.4  | 219    | 268    | 364   | 472     | 480     | 542    |
| NXT-19    | 61.2    | 68.7    | 95.5    | 107.9   | 114.9  | 124.9  | 137.3  | 153.2  | 173.0  | 199.6  | 239    | 294    | 401   | 531     | 531     | 601    |
| NXT-21    | 67.2    | 77.4    | 115.3   | 131.3   | 138.6  | 148.3  | 160.0  | 176.9  | 200.6  | 235.1  | 280    | 356    | 481   | 598     | 608     | 684    |
| NXT-23    | 72.4    | 82.8    | 121.5   | 138.3   | 146.8  | 158.2  | 172.2  | 191.2  | 217.2  | 254.6  | 308    | 391    | 528   | 639     | 649     | 760    |
| NXT-25    | 77.2    | 87.9    | 126.7   | 144.2   | 154.0  | 167.3  | 183.8  | 204.9  | 233.2  | 273.3  | 336    | 426    | 562   | 674     | 691     | 838    |
| NXT-27    | 85.0    | 97.5    | 143.8   | 164.5   | 175.0  | 188.9  | 206.2  | 228.5  | 261.3  | 307.0  | 368    | 436    | 579   | 702     | 724     | 873    |
| NXT-29    | 91.5    | 105.0   | 154.9   | 177.2   | 188.5  | 203.4  | 222.1  | 246.1  | 281.4  | 330.6  | 397    | 470    | 621   | 753     | 777     | 940    |
| NXT-31    | 102.6   | 117.5   | 172.5   | 197.6   | 211.8  | 232.9  | 257.5  | 284.3  | 322.8  | 373.8  | 436    | 518    | 709   | 840     | 843     | 1066   |
| NXT-33    | 108.9   | 124.7   | 183.1   | 209.7   | 224.8  | 246.7  | 272.7  | 302.4  | 344.3  | 398.8  | 465    | 553    | 757   | 896     | 900     | 1137   |
| NXT-35    | 115.1   | 131.9   | 193.6   | 221.7   | 237.7  | 260.3  | 287.6  | 319.5  | 361.8  | 418.6  | 491    | 578    | 803   | 952     | 956     | 1208   |
| NXT-37    | 121.3   | 138.9   | 204.0   | 233.6   | 250.4  | 273.7  | 302.3  | 338.0  | 385.2  | 445.9  | 517    | 617    | 851   | 1038    | 1071    | 1281   |
| NXT-39    | 127.4   | 145.9   | 214.2   | 245.4   | 263.0  | 286.9  | 316.7  | 356.4  | 408.8  | 473.5  | 543    | 657    | 899   | 1126    | 1192    | 1354   |

### Amperes to 1.90 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 32.0    | 36.1    | 50.5    | 57.0    | 60.5   | 65.2   | 70.9   | 78.3   | 85.9   | 97.8   | 116    | 139    | 175   | 206     | 206     | 239    |
| NXT-11    | 38.6    | 43.4    | 60.8    | 68.4    | 72.6   | 78.3   | 85.3   | 94.3   | 104.0  | 118.5  | 140    | 169    | 216   | 255     | 255     | 295    |
| NXT-13    | 44.6    | 50.2    | 70.0    | 78.7    | 83.5   | 90.1   | 98.4   | 108.9  | 120.7  | 137.9  | 163    | 198    | 255   | 304     | 304     | 351    |
| NXT-15    | 50.0    | 56.3    | 78.4    | 87.9    | 93.2   | 100.7  | 110.1  | 122.0  | 136.1  | 155.7  | 185    | 225    | 293   | 352     | 352     | 404    |
| NXT-17    | 54.9    | 61.7    | 85.7    | 95.9    | 101.8  | 110.0  | 120.5  | 133.8  | 150.1  | 172.1  | 205    | 250    | 329   | 399     | 399     | 457    |
| NXT-19    | 59.2    | 66.4    | 92.1    | 102.8   | 109.1  | 118.1  | 129.5  | 144.1  | 162.7  | 187.0  | 223    | 274    | 364   | 446     | 446     | 508    |
| NXT-21    | 64.1    | 73.7    | 109.3   | 124.6   | 132.3  | 141.8  | 153.0  | 167.5  | 188.0  | 219.7  | 262    | 329    | 439   | 494     | 494     | 571    |
| NXT-23    | 69.3    | 79.2    | 115.5   | 131.5   | 139.9  | 150.9  | 164.1  | 181.2  | 204.5  | 239.1  | 289    | 363    | 486   | 558     | 558     | 640    |
| NXT-25    | 74.2    | 84.3    | 120.9   | 137.3   | 146.5  | 159.0  | 174.4  | 194.2  | 220.6  | 257.9  | 316    | 398    | 517   | 590     | 590     | 711    |
| NXT-27    | 82.3    | 94.2    | 137.7   | 157.2   | 168.2  | 180.9  | 197.1  | 216.5  | 245.3  | 289.3  | 351    | 410    | 535   | 609     | 609     | 740    |
| NXT-29    | 88.6    | 101.4   | 148.3   | 169.2   | 181.1  | 194.9  | 212.2  | 233.2  | 264.2  | 311.6  | 378    | 442    | 568   | 645     | 645     | 796    |
| NXT-31    | 99.6    | 113.8   | 165.8   | 189.4   | 202.6  | 223.4  | 245.1  | 269.7  | 309.4  | 357.5  | 416    | 482    | 649   | 690     | 690     | 905    |
| NXT-33    | 105.7   | 120.8   | 176.0   | 201.0   | 215.1  | 236.4  | 259.7  | 287.7  | 330.0  | 381.3  | 444    | 514    | 692   | 736     | 736     | 965    |
| NXT-35    | 111.8   | 127.7   | 186.1   | 212.5   | 227.4  | 249.2  | 274.0  | 302.5  | 342.5  | 397.7  | 469    | 545    | 735   | 782     | 782     | 1026   |
| NXT-37    | 117.8   | 134.6   | 196.0   | 223.9   | 239.6  | 261.7  | 288.0  | 321.9  | 366.9  | 425.1  | 494    | 577    | 781   | 880     | 880     | 1092   |
| NXT-39    | 123.7   | 141.3   | 205.9   | 235.2   | 251.7  | 274.0  | 301.9  | 341.6  | 391.9  | 452.8  | 518    | 610    | 828   | 983     | 983     | 1159   |

### Amperes to 1.92 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 31.4    | 35.1    | 47.9    | 53.5    | 56.5   | 60.7   | 65.7   | 72.2   | 78.0   | 88.4   | 104    | 132    | 156   | 157     | 157     | 191    |
| NXT-11    | 37.4    | 41.8    | 57.3    | 64.1    | 67.8   | 72.8   | 78.9   | 86.7   | 94.4   | 107.3  | 127    | 160    | 196   | 196     | 196     | 237    |
| NXT-13    | 42.6    | 47.7    | 65.8    | 73.7    | 77.9   | 83.7   | 90.8   | 99.9   | 109.6  | 124.9  | 147    | 185    | 232   | 235     | 235     | 283    |
| NXT-15    | 47.0    | 52.8    | 73.2    | 82.2    | 86.8   | 93.4   | 101.5  | 111.6  | 123.5  | 141.3  | 167    | 209    | 268   | 274     | 274     | 328    |
| NXT-17    | 50.7    | 57.1    | 79.6    | 89.6    | 94.6   | 101.8  | 110.8  | 122.0  | 136.2  | 156.4  | 185    | 230    | 303   | 313     | 313     | 372    |
| NXT-19    | 53.6    | 60.5    | 85.1    | 95.9    | 101.2  | 109.1  | 118.8  | 130.9  | 147.7  | 170.2  | 201    | 249    | 337   | 352     | 352     | 416    |
| NXT-21    | 60.1    | 68.8    | 100.5   | 115.0   | 122.2  | 131.6  | 141.3  | 154.2  | 170.9  | 196.4  | 237    | 290    | 379   | 379     | 379     | 458    |
| NXT-23    | 65.5    | 74.5    | 107.0   | 121.6   | 129.3  | 139.5  | 151.1  | 166.1  | 185.8  | 214.6  | 260    | 321    | 413   | 436     | 436     | 520    |
| NXT-25    | 70.8    | 79.9    | 112.8   | 127.4   | 135.5  | 146.4  | 160.0  | 177.3  | 200.2  | 232.5  | 282    | 353    | 432   | 497     | 497     | 585    |
| NXT-27    | 77.5    | 88.4    | 128.2   | 146.2   | 156.1  | 168.4  | 183.3  | 201.3  | 225.7  | 260.8  | 319    | 384    | 449   | 514     | 514     | 606    |
| NXT-29    | 83.5    | 95.2    | 138.1   | 157.4   | 168.1  | 181.3  | 197.5  | 216.8  | 243.1  | 280.9  | 343    | 413    | 484   | 554     | 554     | 653    |
| NXT-31    | 94.5    | 107.9   | 156.7   | 178.8   | 191.2  | 210.6  | 231.5  | 248.2  | 286.5  | 332.5  | 387    | 451    | 535   | 633     | 633     | 745    |
| NXT-33    | 100.3   | 114.5   | 166.3   | 189.8   | 203.0  | 222.4  | 244.1  | 264.5  | 305.6  | 354.7  | 413    | 482    | 571   | 676     | 676     | 794    |
| NXT-35    | 106.1   | 121.1   | 175.8   | 200.7   | 214.6  | 233.9  | 256.3  | 280.8  | 315.5  | 365.0  | 431    | 510    | 607   | 718     | 718     | 844    |
| NXT-37    | 111.8   | 127.5   | 185.3   | 211.4   | 226.1  | 245.1  | 268.1  | 297.0  | 339.0  | 392.7  | 461    | 537    | 664   | 773     | 773     | 903    |
| NXT-39    | 117.4   | 134.0   | 194.6   | 222.0   | 237.5  | 256.0  | 279.6  | 313.2  | 362.9  | 421.2  | 490    | 565    | 724   | 829     | 829     | 963    |

### Amperes to 1.94 End Voltage

| Cell Type | 24 Hrs. | 20 Hrs. | 12 Hrs. | 10 Hrs. | 9 Hrs. | 8 Hrs. | 7 Hrs. | 6 Hrs. | 5 Hrs. | 4 Hrs. | 3 Hrs. | 2 Hrs. | 1 Hr. | 30 Min. | 15 Min. | 1 Min. |
|-----------|---------|---------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|-------|---------|---------|--------|
| NXT-09    | 31.0    | 34.3    | 45.7    | 50.6    | 53.2   | 56.9   | 61.4   | 66.7   | 71.8   | 78.9   | 92     | 112    | 119   | 119     | 119     | 142    |
| NXT-11    | 36.2    | 40.3    | 54.3    | 60.3    | 63.5   | 68.0   | 73.4   | 79.8   | 86.6   | 96.0   | 112    | 137    | 148   | 148     | 148     | 178    |
| NXT-13    | 40.4    | 45.1    | 61.7    | 68.9    | 72.7   | 77.8   | 84.0   | 91.5   | 100.1  | 112.0  | 131    | 160    | 176   | 176     | 176     | 214    |
| NXT-15    | 43.6    | 48.9    | 67.9    | 76.3    | 80.7   | 86.4   | 93.2   | 101.8  | 112.4  | 126.9  | 148    | 181    | 204   | 204     | 204     | 251    |
| NXT-17    | 45.8    | 51.7    | 73.0    | 82.5    | 87.5   | 93.7   | 101.1  | 110.8  | 123.4  | 140.8  | 165    | 202    | 231   | 231     | 231     | 287    |
| NXT-19    | 46.9    | 53.4    | 77.0    | 87.6    | 93.1   | 99.8   | 107.6  | 118.3  | 133.2  | 153.6  | 179    | 220    | 258   | 258     | 258     | 324    |
| NXT-21    | 56.4    | 64.1    | 92.2    | 104.9   | 111.9  | 120.9  | 131.3  | 142.7  | 155.6  | 174.8  | 209    | 258    | 264   | 264     | 264     | 345    |
| NXT-23    | 62.1    | 70.1    | 99.0    | 111.8   | 118.9  | 128.2  | 139.3  | 152.4  | 168.4  | 191.6  | 230    | 290    | 314   | 314     | 314     | 400    |
| NXT-25    | 67.8    | 76.0    | 105.3   | 118.1   | 125.1  | 134.6  | 146.3  | 161.2  | 180.8  | 208.2  | 250    | 323    | 368   | 368     | 368     | 458    |
| NXT-27    | 72.9    | 82.9    | 118.9   | 135.0   | 144.1  | 155.8  | 170.3  | 187.0  | 207.0  | 234.9  | 283    | 360    | 379   | 379     | 379     | 473    |
| NXT-29    | 78.5    | 89.2    | 128.0   | 145.4   | 155.1  | 167.8  | 183.3  | 201.4  | 222.9  | 253.0  | 305    | 387    | 408   | 408     | 408     | 510    |
| NXT-31    | 87.3    | 100.6   | 147.8   | 167.6   | 179.3  | 195.5  | 215.1  | 236.8  | 260.4  | 306.4  | 364    | 433    | 470   | 470     | 470     | 584    |
| NXT-33    | 92.7    | 106.8   | 156.9   | 177.9   | 190.1  | 206.9  | 227.0  | 250.0  | 277.8  | 326.8  | 389    | 461    | 502   | 502     | 502     | 623    |
| NXT-35    | 98.0    | 112.9   | 165.8   | 188.0   | 200.8  | 218.1  | 238.6  | 262.8  | 291.2  | 336.4  | 401    | 483    | 533   | 533     | 533     | 662    |
| NXT-37    | 103.2   | 119.0   | 174.7   | 198.1   | 211.3  | 229.1  | 249.9  | 275.3  | 310.4  | 361.9  | 431    | 504    | 579   | 581     | 581     | 714    |
| NXT-39    | 108.4   | 125.0   | 183.5   | 208.1   | 221.7  | 239.8  | 260.8  | 287.5  | 329.9  | 388.1  | 461    | 523    | 626   | 631     | 631     | 768    |

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