

**Industrial Standard Cylindrical Battery Sizes**

| Cell Size               | Diameter (mm) | Length (mm) | NI Cad Weight(grams) | NI MH Weight(grams) |
|-------------------------|---------------|-------------|----------------------|---------------------|
| <b>A Size Batteries</b> |               |             |                      |                     |
| AAAA                    | 8.4           | 40.2        | 10                   | 10                  |
| 4/3 AAAA                | 8.4           | 67          | 12-13                | 13                  |
| 1/4 AAA                 | 10.5          | 14          | 2.5-3.5              | 2.5-4               |
| 1/3 AAA                 | 10.5          | 16          | 5.5                  | 5.5                 |
| 1/2 AAA                 | 10.5          | 22          |                      | 7                   |
| 2/3 AAA                 | 10.5          | 30          | 6-8                  | 8-9                 |
| AAA36                   | 10.5          | 36          |                      | 11                  |
| 4/5 AAA                 | 10.5          | 37          |                      | 11                  |
| AAA38                   | 10.5          | 38          |                      | 11                  |
| 3/4 AAA                 | 10.5          | 39.5        | 12                   | 12                  |
| AAA42                   | 10.5          | 42          |                      | 12                  |
| AAA                     | 10.5          | 44.5        | 10                   | 13                  |
| 5/4 AAA                 | 10.5          | 50          | 14                   | 15                  |
| L-AAA                   | 10.5          | 50          | 13                   | 14                  |
| 4/3 AAA                 | 10.5          | 67          | 17                   | 18                  |
| 5/3 AAA                 | 10.5          | 67          | 19                   | 19                  |
| LL-AAA                  | 10.5          | 67          | 17                   | 18                  |
| 3/2 AAA                 | 10.5          | 67          | 19                   | 20                  |
| 6/4 AAA                 | 10.5          | 67          | 20                   | 20                  |
| 7/5 AAA                 | 10.5          | 66.5        | 15                   | 15                  |
| 7/4 AAA                 | 10.5          | 76          | 19                   | 20-21               |
| 7/3 AAA                 | 10.5          | 80          |                      | 23                  |
| SL AAA                  | 10.5          | 80          |                      | 23                  |
| 1/3 AA                  | 14.2          | 17.5        | 6.5                  | 7                   |
| 1/2 AA                  | 14.2          | 30          | 12                   | 15                  |
| 2/3 AA                  | 14.2          | 28.7        | 13-15                | 13-16               |
| 4/5 AA                  | 14.2          | 43          | 20                   | 22                  |
| AA                      | 14.2          | 50          | 21                   | 27                  |
| AA flat top             | 14.2          | 48          | 21                   | 27                  |
| 5/4 AA                  | 14.2          | 64.5        |                      | 29                  |
| L-AA                    | 14.2          | 65          | 29                   | 30                  |
| 4/3 AA                  | 14.2          | 65.2        | 30                   | 30                  |
| 7/5 AA                  | 14.2          | 70          | 29                   | 39                  |
| 1/3 A                   | 17            | 21          |                      |                     |

|  |      |      |         |         |
|--|------|------|---------|---------|
| 1/2 A  | 17   | 25   | 17      | 21      |
| 2/3 A  | 17   | 28.5 | 18-20   | 20-23   |
| 4/5 A  | 17   | 43   | 26-31   | 32-35   |
| A  | 17   | 50   | 32      | 40      |
| 4/3 A  | 17   | 67   | 50      | 55      |
| L-A  | 17   | 67   | 48      | 53      |
| 7/5 A  | 17   | 70   | 44.8    | 56      |
| Fat A  | 18   | 50   | 38      | 42      |
| 4/3 Fat A  | 18   | 67   | 56      | 60      |
| L-Fat A  | 18   | 67   | 55      | 60      |
| <b>Sub C Size Batteries</b>  |      |      |         |         |
| 1/2 SC   | 23   | 26   | 30      |         |
| 2/3 SC   | 23   | 28   | 25      | 28      |
| 4/5 SC   | 23   | 34   | 38      | 42      |
| SC (sub C)   | 23   | 43   | 52      | 55      |
| 5/4 Sub C  | 23   | 49.5 | 65-67   | 70      |
| 4/3 SC   | 23   | 50   | 60      | 66      |
| L-SC   | 23   | 50   | 57      | 63      |
| <b>C Size Batteries</b>  |      |      |         |         |
| 1/2 C  | 26   | 24   | 31      | 34      |
| 3/5 C  | 26   | 30   | 40      | 44      |
| 2/3 C  | 26   | 31   | 45      | 50      |
| C  | 26   | 46   | 72      | 80      |
| 5/4 C  | 26   | 58   | 90      | 100     |
| <b>D Size Batteries</b>  |      |      |         |         |
| 1/2 D  | 33   | 37   | 81-84   | 81      |
| 2/3 D  | 33   | 43.4 | 98-105  | 115     |
| D  | 33   | 58   | 105-145 | 105-160 |
| 4/3 D  | 33   | 89   | 140-190 | 175     |
| 3/2 D  | 33   | 90.3 | 195-236 | 240     |
| <b>F Size Batteries</b>  |      |      |         |         |
| F  | 33   | 91.2 | 231     | 255     |
| SF<br>(super F)  | 41.4 | 89.1 | 393     | 425     |
| 1.Diameter & Length can vary as much as 0.1mm~1 mm between different manufacturers   |      |      |         |         |
| 2.Weight of a cell depends on manufacturer. The purpose of the weight column is to give a feel of how heavy a cell will be. Your results may vary. |      |      |         |         |