


# MICRO BATTERY Cross Reference and Replacement Guide



| System                            | Recommended Applications |  |                    | Nominal Voltage (V) | maxell        | USA                     |          |            |                    | EU         |         |          | ASIA   |         |        |        | IEC             | Others |      |
|-----------------------------------|--------------------------|---|--------------------|---------------------|---------------|-------------------------|----------|------------|--------------------|------------|---------|----------|--------|---------|--------|--------|-----------------|--------|------|
|                                   |                          | Millimeters<br>ø x ht.  | Inches<br>ø x ht.  |                     |               | ENERGIZER<br>(EVEREADY) | DURACELL | RAYOVAC    | TIMEX              | VARTA      | RENATA  | BULOVA   | SEIKO  | CITIZEN | VINNIC | GP     |                 |        |      |
| Silver Oxide Battery              | Watch High Drain         | 11.6 x 5.4  | 0.457 x 0.213      | 1.55                | SR44W         | 357                     | D357     | 357        | J                  | V357, V541 | 357     | 228      | SB-B9  |         |        | GP357  | SR44            |        |      |
|                                   |                          | 11.6 x 4.2  | 0.457 x 0.165      | 1.55                | SR43W         | 386                     | D386     | 386        | H                  | V386, V548 | 386     | 260      | SB-B8  | 280-41  |        | GP386  | SR43            |        |      |
|                                   |                          | 11.6 x 3.05   | 0.457 x 0.120      | 1.55                | SR1130W       | 389                     | D389     | 389        | M                  | V389, V554 | 389     | 626      | SB-BU  | 280-15  |        | GP389  | SR54            |        |      |
|                                   |                          | 11.6 x 2.05   | 0.457 x 0.081      | 1.55                | SR1120W       | 391                     | D391     | 391        | L                  | V391, V553 | 391     | 609      | SB-BS  | 280-30  |        | GP391  | SR55            |        |      |
|                                   |                          | 11.6 x 1.65   | 0.457 x 0.065      | 1.55                | SR1116W       | 365                     |          |            | ZA                 |            |         | 365      |        |         |        |        |                 |        |      |
|                                   |                          | 9.5 x 3.6   | 0.374 x 0.142      | 1.55                | SR936W        |                         |          |            |                    |            |         |          | 380    |         |        |        |                 |        | SR45 |
|                                   |                          | 9.5 x 2.73  | 0.374 x 0.107      | 1.55                | SR927W        | 399                     | D399     | 399        | W                  | V399, V543 | 399     | 613      | SB-BP  | 280-44  |        | GP399  | SR57            |        |      |
|                                   |                          | 9.5 x 2.05  | 0.374 x 0.081      | 1.55                | SR920W        | 370                     | D370     | 370        | Z                  | V370       | 370     | 620      | SB-BN  | 280-51  |        | GP370  | SR69            |        |      |
|                                   |                          | 9.5 x 1.65  | 0.374 x 0.065      | 1.55                | SR916W        | 372                     | D372     |            |                    |            |         |          |        | 280-61  |        |        |                 |        |      |
|                                   |                          | 7.9 x 3.6   | 0.311 x 0.142      | 1.55                | SR41W         | 392                     | D392     | 392        | K                  | V392, V547 | 392     | 247B     | SB-B1  | 280-13  |        | GP392  | SR41            |        |      |
|                                   |                          | 7.9 x 2.6   | 0.311 x 0.102      | 1.55                | SR726W        | 396                     | D396     | 396        | V                  | V396, V556 | 396     | 612      | SB-BL  | 280-52  |        | GP396  | SR59            |        |      |
|                                   |                          | 7.9 x 2.1   | 0.311 x 0.083      | 1.55                | SR721W        | 361                     | D361     | 361        | X                  | V361       | 361     |          | SB-BK  | 280-53  |        |        |                 | SR58   |      |
|                                   |                          | 7.9 x 1.65  | 0.311 x 0.065      | 1.55                | SR716W        |                         |          |            |                    |            |         |          |        |         |        |        |                 |        |      |
|                                   |                          | 6.8 x 2.6   | 0.268 x 0.102      | 1.55                | SR626W        | 376                     |          | 376        | MA                 |            |         | 376      | 619    | SB-BW   | 280-72 |        |                 |        | SR66 |
|                                   | 6.8 x 2.15               | 0.268 x 0.085   | 1.55               | SR621W              |               |                         |          |            |                    |            |         |          |        | 280-70  |        |        |                 | SR60   |      |
|                                   | Watch Low Drain          | 11.6 x 5.4  | 0.457 x 0.213      | 1.55                | SR44SW        | 303                     | D303     | 303        | A                  | V303, V521 | 303     |          | SB-A9  | 280-08  |        | GP303  | SR44            |        |      |
|                                   |                          | 11.6 x 4.2  | 0.457 x 0.165      | 1.55                | SR43SW        | 301                     | D301     | 301        | D                  | V301, V528 | 301     | 226      | SB-A8  | 280-01  |        | GP301  | SR43            |        |      |
|                                   |                          | 11.6 x 3.6  | 0.457 x 0.142      | 1.55                | SR1136SW      | 344                     | D344     | 344        |                    | V344, V529 | 344     | 242, 604 |        |         |        |        |                 | SR42   |      |
|                                   |                          | 11.6 x 3.05   | 0.457 x 0.120      | 1.55                | SR1130SW      | 390                     | D390     | 390        |                    | V390, V534 | 390     | 603      | SB-AU  | 280-24  |        | GP390  | SR54            |        |      |
|                                   |                          | 11.6 x 2.05   | 0.457 x 0.081      | 1.55                | SR1120SW      | 381                     | D381     | 381        |                    | V381, V533 | 381     | 317      | SB-AS  | 280-27  |        | GP381  | SR55            |        |      |
|                                   |                          | 11.6 x 1.65   | 0.457 x 0.065      | 1.55                | SR1116SW      | 366                     | D366     | 366        |                    | V366, V538 | 366     | 608      |        | 280-46  |        | GP366  |                 |        |      |
|                                   |                          | 9.5 x 3.6   | 0.374 x 0.142      | 1.55                | SR936SW       | 394                     | D394     | 394        | LA                 | V394, V524 | 394     | 625      | SB-A4  | 280-17  |        | GP394  | SR45            |        |      |
|                                   |                          | 9.5 x 2.73  | 0.374 x 0.107      | 1.55                | SR927SW       | 395                     | D395     | 395        |                    | V395, V523 | 395     | 610      | SB-AP  | 280-48  |        | GP395  | SR57            |        |      |
|                                   |                          | 9.5 x 2.05  | 0.374 x 0.081      | 1.55                | SR920SW       | 371                     | D371     | 371        |                    | V371, V537 | 371     | 605      | SB-AN  | 280-31  |        | GP371  | SR69            |        |      |
|                                   |                          | 9.5 x 1.45  | 0.374 x 0.057      | 1.55                | SR914SW       |                         |          |            |                    |            |         |          |        | 280-76  |        |        |                 |        |      |
|                                   |                          | 9.5 x 1.65  | 0.374 x 0.065      | 1.55                | SR916SW       | 373                     | D373     | 373        | WA                 | V373, V539 | 373     | 617      | SB-AJ  | 280-45  |        | GP373  | SR68            |        |      |
|                                   |                          | 7.9 x 3.6   | 0.311 x 0.142      | 1.55                | SR41SW        | 384                     | D384     | 384        |                    | V384, V527 | 384     | 247      | SB-A1  | 280-18  |        | GP384  | SR41            |        |      |
|                                   |                          | 7.9 x 3.1   | 0.311 x 0.122      | 1.55                | SR731SW       | 329                     | D329     | 329        |                    | V329, V525 | 329     |          |        |         |        | GP329  |                 |        |      |
|                                   |                          | 7.9 x 2.6   | 0.311 x 0.102      | 1.55                | SR726SW       | 397                     | D397     | 397        | N                  | V397, V536 | 397     | 607      | SB-AL  | 280-28  |        | GP397  | SR59            |        |      |
|                                   |                          | 7.9 x 2.1   | 0.311 x 0.083      | 1.55                | SR721SW       | 362                     | D362     | 362        | S                  | V362, V532 | 362     | 601      | SB-AK  | 280-29  |        | GP362  | SR58            |        |      |
|                                   |                          | 7.9 x 1.68  | 0.311 x 0.066      | 1.55                | SR716SW       | 315                     | D315     | 315        | HA                 | V315, V530 | 315     | 614      | SB-AT  | 280-56  |        | GP315  | SR67            |        |      |
|                                   |                          | 7.9 x 1.29  | 0.311 x 0.051      | 1.55                | SR712SW       | 346                     |          | 346        |                    | V346       | 346     | 628      | SB-AH  | 280-66  |        |        |                 |        |      |
|                                   |                          | 6.8 x 2.6   | 0.268 x 0.102      | 1.55                | SR626SW       | 377                     | D377     | 377        | BA                 | V377, V565 | 377     | 606      | SB-AW  | 280-39  |        | GP377  | SR66            |        |      |
|                                   |                          | 6.8 x 2.15  | 0.268 x 0.085      | 1.55                | SR621SW       | 364                     | D364     | 364        | T                  | V364, V531 | 364     | 602      | SB-AG  | 280-34  |        | GP364  | SR60            |        |      |
|                                   |                          | 6.8 x 1.65  | 0.268 x 0.065      | 1.55                | SR616SW       | 321                     | D321     | 321        | DA                 | V321, V540 | 321     | 611      | SB-AF  | 280-73  |        | GP321  | SR65            |        |      |
|                                   |                          | 5.8 x 2.7   | 0.228 x 0.106      | 1.55                | SR527SW       | 319                     | D319     | 319        |                    | V319       | 319     | 615      | SB-AE  | 280-60  |        | GP319  | SR64            |        |      |
|                                   |                          | 5.8 x 2.15  | 0.228 x 0.085      | 1.55                | SR521SW       | 379                     | D379     | 379        | JA                 | V379, V520 | 379     | 618      | SB-AC  | 280-59  |        | GP379  | SR63            |        |      |
|                                   |                          | 5.8 x 1.65  | 0.228 x 0.065      | 1.55                | SR516SW       | 317                     | D317     | 317        | CA                 | V317, V566 | 317     | 616      | SB-AR  | 280-58  |        | GP317  | SR62            |        |      |
|                                   |                          | 5.8 x 1.25  | 0.228 x 0.049      | 1.55                | SR512SW       | 335                     |          | 335        |                    | V335       | 335     | 622      | SB-AB  | 280-68  |        |        |                 |        |      |
|                                   |                          | 4.8 x 2.15  | 0.189 x 0.085      | 1.55                | SR421SW       | 348                     |          |            |                    |            |         |          |        | SB-A6   | 280-77 |        | GP348           |        |      |
| 4.8 x 1.65                        |                          | 0.189 x 0.065   | 1.55               | SR416SW             | 337           |                         | 337      |            |                    |            | 337     | 623      | SB-A5  | 280-75  |        | GP337  |                 |        |      |
| General                           | 11.6 x 5.4               | 0.457 x 0.213   | 1.55               | SR44(G13)           | EP X 76, S76E | MS76                    |          |            | V76PX, V13GS, V357 |            |         |          |        | S1154   | GPS76E | SR44   | SG13, G13       |        |      |
|                                   | 11.6 x 4.2               | 0.457 x 0.165   | 1.55               | SR43(G12)           | S41E          | MS41H                   |          |            | V12GS, V386        |            |         |          |        | S1142   |        | SR43   | SG12, G12       |        |      |
|                                   | 11.6 x 3.05              | 0.457 x 0.120   | 1.55               | SR1130              | 389           |                         |          |            | V10GS, V389        |            |         |          |        | S1131   |        | SR54   | SG10, G10       |        |      |
|                                   | 11.6 x 2.05              | 0.457 x 0.081   | 1.55               | SR1120              | 291, 391      |                         |          |            | V8GS, V391         |            |         |          |        | S1121   |        | SR55   | SG8, G8         |        |      |
|                                   | 7.9 x 3.6                | 0.311 x 0.142   | 1.55               | SR41                | S312E         | MS312                   |          |            |                    |            |         |          |        | S736    |        | SR41   | SG3, G3         |        |      |
|                                   | 13.0 x 25.2              | 0.512 x 0.992   | 6.2                | 4SR44(4G13)         | 544           | PX28                    |          |            | V28PX              |            |         |          |        | S1325   | GP476  | 4SR44  | 4SG13, 4G13     |        |      |
| Micro Alkaline Battery            | General                  | 11.6 x 5.4  | 0.457 x 0.213      | 1.5                 | LR44          | A76                     | PX76A    | RW82       | KA                 | V13GA      | LR44    |          |        | L1154   | GPA76  | LR44   | AG13, G13A, A76 |        |      |
|                                   |                          | 11.6 x 4.2  | 0.457 x 0.165      | 1.5                 | LR43          | 186                     | D186A    | RW84       |                    | V12GA      | LR43    |          |        | L1142   | GP186  | LR43   | AG12, G12A      |        |      |
|                                   |                          | 11.6 x 3.05   | 0.457 x 0.120      | 1.5                 | LR1130        | 189                     | D189A    | RW89       |                    | V10GA      |         |          |        | L1131   | GP189  | LR54   | AG10, G10A      |        |      |
|                                   |                          | 11.6 x 2.05   | 0.457 x 0.081      | 1.5                 | LR1120        | 191                     | D191A    |            |                    | V8GA       |         |          |        | L1121   | GP191  | LR55   | AG8             |        |      |
|                                   |                          | 7.9 x 3.6   | 0.311 x 0.142      | 1.5                 | LR41          | 192                     |          | RW87       |                    | V3GA       |         |          |        | L736    | GP192  | LR41   | G3A             |        |      |
|                                   |                          | 13.0 x 25.2   | 0.512 x 0.992      | 6.0                 | 4LR44P        | A544                    | PX28A    |            |                    | V4034P X   |         |          |        | L1325   | GP476A | 4LR44  | 4AG13           |        |      |
| Lithium Manganese Dioxide Battery | General Memory Back Up   | 24.5 x 5.0  | 0.965 x 0.197      | 3.0                 | CR2450        |                         | DL2450   | KECR2450-1 |                    | CR2450     | CR2450N |          |        |         |        | CR2450 |                 |        |      |
|                                   |                          | 24.5 x 3.0  | 0.965 x 0.118      | 3.0                 | CR2430        | ECR2430                 | DL2430   |            |                    | CR2430     | CR2430  |          |        |         |        | CR2430 |                 |        |      |
|                                   |                          | 20.0 x 3.2  | 0.787 x 0.126      | 3.0                 | CR2032        | ECR2032                 | DL2032   | KECR2032-1 |                    | CR2032     | CR2032  | CR2032   | SB-T51 |         | CR2032 | CR2032 | CR2032          |        |      |
|                                   |                          | 20.0 x 2.5  | 0.787 x 0.098      | 3.0                 | CR2025        | ECR2025                 | DL2025   | KECR2025-1 | NA                 | CR2025     | CR2025  | CR2025   | SB-T14 | 280-205 | CR2025 | CR2025 | CR2025          |        |      |
|                                   |                          | 20.0 x 1.6  | 0.787 x 0.063      | 3.0                 | CR2016        | ECR2016                 | DL2016   | KECR2016-1 | FA                 | CR2016     | CR2016  | CR2016   | SB-T11 | 280-206 | CR2016 | CR2016 | CR2016          |        |      |
|                                   |                          | 16.0 x 3.2  | 0.630 x 0.126      | 3.0                 | CR1632        | ECR2012                 |          | KECR1632-1 |                    |            | CR1632  |          |        |         |        |        |                 |        |      |
|                                   |                          | 16.0 x 2.0  | 0.630 x 0.079      | 3.0                 | CR1620        | ECR1620                 | DL1620   | KECR1620-1 | EA                 | CR1620     | CR1620  |          | SB-T17 | 280-208 |        | CR1620 |                 |        |      |
|                                   |                          | 16.0 x 1.6  | 0.630 x 0.063      | 3.0                 | CR1616        | ECR1616                 | DL1616   | KECR1616-1 | YA                 | CR1616     | CR1616  |          |        | 280-209 |        | CR1616 |                 |        |      |
|                                   |                          | 12.5 x 2.0  | 0.492 x 0.079      | 3.0                 | CR1220        | ECR1220                 | DL1220   |            | PA                 | CR1220     | CR1220  |          | SB-T13 |         |        | CR1220 | CR1220          |        |      |
|                                   |                          | 12.5 x 1.6  | 0.492 x 0.063      | 3.0                 | CR1216        | ECR1216                 | DL1216   |            |                    | CR1216     | CR1216  |          |        |         |        | CR1216 |                 |        |      |
|                                   | 10.0 x 2.5               | 0.394 x 0.098   | 3.0                | CR1025              |               | DL1025                  |          |            |                    | CR1025     |         |          |        |         | CR1025 |        |                 |        |      |
|                                   | Camera                   | 45 x 34 x 17  | 1.77 x 1.34 x 0.67 | 6.0                 | 2CR5          | EL2CR5                  | DL245    | RL2CR5     |                    |            |         |          |        |         |        |        |                 |        |      |
|                                   |                          | 36 x 35 x 19.5  | 1.42 x 1.38 x 0.77 | 6.0                 | CR-P2         | EL223AP                 | DL223A   | RL223A     |                    | CRP2       |         |          |        |         |        |        |                 |        |      |
|                                   |                          | 16.8 x 34.5   | 0.66 x 1.36        | 3.0                 | CR123A        | EL123AP                 | DL123A   | RL123A     |                    | CR123A     |         |          |        |         |        |        |                 |        |      |
| 15.6 x 27.0                       |                          | 0.61 x 1.06   | 3.0                | CR2                 | EL1CR2        | DL2CR2                  | RL2CR2   |            | CR2                |            |         |          |        |         |        |        |                 |        |      |
| 52 x 28.4 x 14.2                  | 2.05 x 1.12 x 0.56       | 3.0   | CR-V3              | ELCRV3              |               |                         |          | CRV3       |                    |            |         |          |        |         |        |        |                 |        |      |