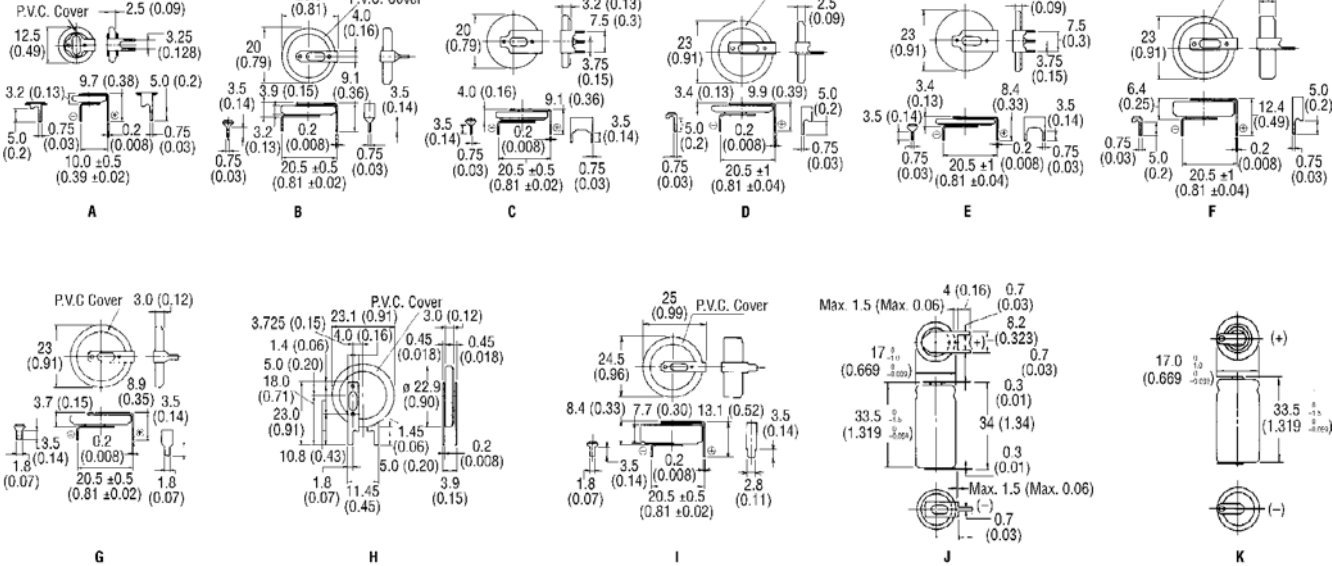


2 Lithium Batteries

Dimensions — mm (in.)



- High Voltage (3 V)
- High Energy Density
- Long Shelf Life
- Stable Operation
- 0.5% Capacity Deterioration Per Year
- Excellent Durability
- Flat Discharge Voltage and Stable Internal Impedance
- High Rate Discharge
- Wide Operating Temperatures
- Strong Leakage Resistance
- Excellent Safety

Versatile, long-life Panasonic lithium batteries for leakproof high-energy sources. Designed for a wide range of electronic applications, from cameras and radios to computer memory backup. Safe and chemically and thermally stable. No corrosive liquid or poisonous gas discharge. Two types available — BR (polycarbon monofluoride) provides flat discharge voltage and stable internal impedance; CR (manganese dioxide) gives high discharge rate and high discharge voltage. Panasonic cells are recognized under UL File No. MH12210.

(CF)/N/Li Batteries: Poly-Carbon Monofluoride

| Stock No. | Mfr.'s Type | Fig. | Electrical Characteristics (20°C) |     |                     |                        |            | Recomnd. Drain |          | Dimensions    |             |            | EACH |       |       |       |
|-----------|-------------|------|-----------------------------------|-----|---------------------|------------------------|------------|----------------|----------|---------------|-------------|------------|------|-------|-------|-------|
|           |             |      | JIS                               | IEC | Nominal Voltage (V) | Nominal Capacity (mAh) | Pulse (mA) | Standard (mA)  | Low (μA) | Diameter (mm) | Height (mm) | Weight (g) | 1-9  | 10-24 | 25-49 | 50-99 |
| 884-0700  | BR1216      | *    | —                                 | —   | 3                   | 25                     | 5          | 0.03           | 1        | 12.5          | 1.60        | 0.6        | 1.65 | 1.41  | 1.09  | 1.00  |
| 884-0312  | BR1225      | *    | —                                 | —   | 3                   | 48                     | 5          | 0.03           | 1        | 12.5          | 2.50        | 0.9        | 1.69 | 1.36  | 1.15  | 1.06  |
| 884-0316  | BR2016      | *    | —                                 | —   | 3                   | 75                     | 10         | 0.03           | 1        | 20.0          | 1.60        | 1.5        | 1.80 | 1.46  | 1.24  | 1.15  |
| 884-0720  | BR2020      | *    | —                                 | —   | 3                   | 100                    | 10         | 0.03           | 2        | 20.0          | 2.00        | 2.0        | 1.69 | 1.37  | 1.16  | 1.08  |
| 884-0301  | BR2032      | *    | —                                 | —   | 3                   | 190                    | 10         | 0.03           | 4        | 20.0          | 3.20        | 2.5        | 1.91 | 1.53  | 1.31  | 1.20  |
| 884-0320  | BR2320      | *    | —                                 | —   | 3                   | 110                    | 10         | 0.03           | 2        | 23.0          | 2.00        | 2.5        | 1.76 | 1.38  | 1.18  | 1.09  |
| 884-0325  | BR2325      | *    | —                                 | —   | 3                   | 165                    | 10         | 0.03           | 3        | 23.0          | 2.50        | 3.0        | 1.82 | 1.44  | 1.23  | 1.14  |
| 884-0725  | BR2330      | *    | —                                 | —   | 3                   | 255                    | 10         | 0.03           | 5        | 23.0          | 3.00        | 3.2        | 2.26 | 1.88  | 1.60  | 1.50  |
| 884-1000  | BR3032      | *    | —                                 | —   | 3                   | 500                    | 10         | 0.03           | 10       | 30.0          | 3.20        | 5.5        | 3.96 | 3.21  | 2.78  | 2.30  |
| 884-0426  | BR-1225-1HC | A    | —                                 | —   | 3                   | 48                     | 5          | 0.03           | 1        | 12.5          | 3.20        | 0.8        | 2.42 | 1.99  | 1.70  | 1.57  |
| 884-0433  | BR-1225-1VC | —    | —                                 | —   | 3                   | 48                     | 5          | 0.03           | 1        | 12.5          | 3.20        | 0.8        | 2.42 | 1.99  | 1.70  | 1.57  |
| 884-0432  | BR-2032-1HE | B    | —                                 | —   | 3                   | 190                    | 10         | 0.03           | 4        | 20.0          | 3.90        | 2.5        | 2.49 | 2.04  | 1.75  | 1.61  |
| 884-0440  | BR-2032-1HG | C    | —                                 | —   | 3                   | 190                    | 10         | 0.03           | 4        | 20.0          | 4.00        | 2.5        | 1.90 | 1.72  | 1.64  | 1.57  |
| 884-0438  | BR-2325-1HB | D    | —                                 | —   | 3                   | 165                    | 10         | 0.03           | 3        | 23.0          | 3.40        | 3.0        | 2.67 | 2.48  | 2.11  | 1.97  |
| 884-0425  | BR-2325-1HG | E    | —                                 | —   | 3                   | 165                    | 10         | 0.03           | 3        | 23.0          | 3.40        | 3.0        | 3.03 | 2.48  | 2.11  | 1.97  |
| 884-0430  | BR-2325-1VG | —    | —                                 | —   | 3                   | 165                    | 10         | 0.03           | 3        | 23.0          | 3.20        | 3.0        | 3.08 | 2.48  | 2.11  | 2.00  |
| 884-0424  | BR-2325-2HC | F    | —                                 | —   | 6                   | 165                    | 10         | 0.03           | 3        | 23.0          | 6.40        | 3.0        | 4.53 | 3.74  | 3.36  | 3.10  |
| 884-0331  | BR-2330-1HE | G    | —                                 | —   | 3                   | 255                    | 10         | 0.03           | 5        | 23.0          | 3.90        | 3.2        | 2.34 | 2.12  | 2.00  | 1.90  |
| 884-0332  | BR-2330-1VC | H    | —                                 | —   | 3                   | 255                    | 10         | 0.03           | 5        | 23.1          | 3.90        | 3.2        | 2.34 | 2.12  | 2.00  | 1.90  |

MN02/Li Batteries: Manganese Dioxide

|          |             |   |        |        |   |      |    |      |    |      |      |      |      |      |      |      |
|----------|-------------|---|--------|--------|---|------|----|------|----|------|------|------|------|------|------|------|
| 884-0730 | CR1025      | * | CR1025 | —      | 3 | 32   | 5  | 0.10 | 1  | 10.0 | 2.50 | 0.7  | 1.49 | 1.22 | 1.03 | .97  |
| 884-0735 | CR1216      | * | CR1216 | —      | 3 | 25   | 5  | 0.10 | 1  | 12.5 | 1.60 | 0.7  | 1.34 | 1.09 | .93  | .86  |
| 884-0740 | CR1220      | * | CR1220 | —      | 3 | 35   | 5  | 0.10 | 1  | 12.5 | 2.00 | 0.9  | 1.26 | 1.03 | .87  | .82  |
| 884-0745 | CR1616      | * | CR1616 | —      | 3 | 50   | 8  | 0.10 | 1  | 16.0 | 1.60 | 1.2  | .86  | .71  | .63  | .61  |
| 884-0750 | CR1620      | * | —      | CR1620 | 3 | 75   | 8  | 0.10 | 1  | 16.0 | 2.00 | 1.3  | 1.10 | .95  | .81  | .76  |
| 884-0755 | CR1632      | * | —      | —      | 3 | 125  | 8  | 0.10 | 1  | 16.0 | 3.20 | 1.8  | 1.26 | 1.08 | .93  | .87  |
| 884-0760 | CR2012      | * | CR2012 | —      | 3 | 55   | 10 | 0.10 | 1  | 20.0 | 1.20 | 1.4  | .66  | .57  | .48  | .46  |
| 884-0370 | CR2016      | * | CR2016 | —      | 3 | 90   | 10 | 0.10 | 2  | 20.0 | 1.60 | 1.7  | 1.39 | 1.11 | .96  | .88  |
| 884-0765 | CR2025      | * | CR2025 | —      | 3 | 150  | 15 | 0.20 | 3  | 20.0 | 2.50 | 2.5  | 1.13 | .92  | .79  | .73  |
| 884-0770 | CR2032      | * | CR2032 | —      | 3 | 210  | 15 | 0.20 | 4  | 20.0 | 3.20 | 3.3  | 1.47 | 1.18 | 1.01 | .93  |
| 884-0775 | CR2320      | * | CR2320 | —      | 3 | 130  | 15 | 0.20 | 3  | 23.0 | 2.00 | 3.0  | 1.88 | 1.52 | 1.29 | 1.19 |
| 884-0375 | CR2330      | * | CR2330 | —      | 3 | 265  | 15 | 0.20 | 5  | 23.0 | 3.00 | 4.0  | 2.04 | 1.65 | 1.40 | 1.29 |
| 884-0380 | CR2354      | * | —      | —      | 3 | 560  | 15 | 0.20 | 5  | 23.0 | 5.40 | 5.9  | 2.28 | 1.90 | 1.62 | 1.50 |
| 884-0780 | CR3032      | * | —      | —      | 3 | 500  | 15 | 0.20 | 10 | 30.0 | 3.20 | 7.1  | 2.66 | 2.23 | 2.01 | 1.87 |
| 884-0385 | CR2477      | * | —      | —      | 3 | 1000 | 10 | 0.20 | 10 | 24.5 | 7.70 | 10.5 | 4.13 | 3.59 | 3.22 | 2.98 |
| 884-0386 | CR-2477-1HF | I | —      | —      | 3 | 1000 | 15 | 0.20 | 10 | 24.5 | 8.40 | 10.5 | 4.73 | 4.35 | 4.10 | 3.84 |

\*Plain cell. Note: Cells are available in assorted pin and tab configurations. Consult your local regional office for additional information.

Cylindrical Type Lithium Batteries — (CF) n/Li Batteries: Poly-Carbon Monofluoride

| Stock No. | Mfr.'s Type | Fig. | Electrical Characteristics (20°C) |                        |                     |                               |                 | Dimensions (Max.) |                         | Weight (g) | EACH  |       |       |       |
|-----------|-------------|------|-----------------------------------|------------------------|---------------------|-------------------------------|-----------------|-------------------|-------------------------|------------|-------|-------|-------|-------|
|           |             |      | Nominal Voltage (V)               | Nominal Capacity (mAh) | Standard Drain (mA) | Continuous Maximum Drain (mA) | Max. Pulse (mA) | Diameter (mm)     | Approximate Height (mm) |            | 1-9   | 10-24 | 25-49 | 50-99 |
| 884-0300  | BR-CSSP     | *    | 3                                 | 5000                   | 150.0               | 300                           | 1000            | 26.0              | 50.0                    | 47.0       | 13.36 | 12.16 | 11.02 | 10.18 |
| 884-0785  | BR-A        | *    | 3                                 | 1800                   | 2.5                 | 250                           | 1000            | 17.0              | 45.5                    | 18.0       | 8.74  | 8.01  | 7.26  | 6.81  |
| 884-0437  | BR-2/3ASSP  | *    | 3                                 | 1200                   | 2.5                 | 250                           | 1000            | 17.0              | 33.5                    | 13.5       | 4.33  | 3.75  | 3.36  | 3.23  |
| 884-0415  | BR-2/3AE2SP | J    | 3                                 | 1200                   | 2.5                 | 250                           | 1000            | 17.0              | 33.5                    | 13.5       | 5.42  | 4.80  | 4.34  | 4.01  |
| 884-0410  | BR-2/3AT2SP | K    | 3                                 | 1200                   | 2.5                 | 250                           | 1000            | 17.0              | 45.5                    | 18.0       | 4.99  | 4.40  | 4.00  | 3.70  |

\*Plain cell.