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[home](#) | [customer support](#) | [search](#)

PRODUCTS

INDUSTRIAL SOLUTIONS

Appliance Parts & Motors

Batteries: OEM / Industrial

Computer Components

Electronic Components

Semiconductors

Telecommunications

Other OEM Components

Check Product Inventory

Find Reps & Distributors

Use Business Link (B2B)

View Pressroom

Industrial Home

Panasonic Factory
Solutions

Global Sites

OEM Batteries

Products by Chemistry
[Environmental/RoHS](#)
[Transportation/MSDS](#)
[Catalog Request](#)
[About OEM Batteries](#)
[What's New](#)
[Contact Us](#)
[Distributors/Pack Assy.](#)

▶ [Alkaline](#)
 ▶ [Carbon Zinc](#)
 ▶ [Lithium](#)
 ▶ [Lithium Ion](#)
 ▶ [Nickel Metal Hydride](#)
 ▶ [VRLA 6V & 12V](#)
 ▶ [VRLA Modular](#)
 ▶ [PC Cards](#)

LITHIUM - Coin Type

Coin type lithium batteries are high energy, high reliability batteries for a variety of applications. The full 3 volts in these high energy density batteries is about twice that of conventional dry batteries.

Panasonic coin type lithium batteries are available in two types: poly-carbonmonofluoride lithium batteries (BR series) for uses that require extended reliability and safety, and manganese dioxide lithium batteries (CR series) for uses that require high voltage and strong load pulse characteristics.


[View Data Tables](#)

The CR Lithium primary coin cells contain Perchlorate over the limit specified by the state legislature of California and are therefore subject to requirements in the California Code of Regulations, title 22, division 4.5: Chapter 33 – Best Management Practices for Perchlorate Materials. [DTSC information on Perchlorate](#)

- [Product Regulatory Notification on Perchlorate in CR Lithium primary coin cell batteries](#) 

Features:

- High voltage of 3 volts - twice that of conventional dry batteries
- Extremely small self-discharge for long service and shelf life
- A wide operational temperature range
- Compact and lightweight; extremely high energy density per unit weight
- Very safe (poly-carbonmonofluoride lithium)
- Extremely strong load pulse characteristics (manganese dioxide lithium)
- Operating temperature range:
 BR Coin Cells: -30°C ~ +80°C
 CR Coin Cells: -30°C ~ +60°C

Applications:



- Calculators
- Cameras
- Compact, low power consuming cordless applications
- Electronic translators
- Electronic watches (digital and analog)
- Memory back-up in all types of devices (with tab terminals)








Downloads:

















Please refer to the technical data tables to download individual data sheets by model number.


Note: To view these documents you need the Adobe Acrobat Reader















application installed on your system. If you need this application you can download it at www.adobe.com.

- [Available Tab Configurations and Dimensions for BR and CR Type Coin Cells in PDF Format - 242KB](#) 
- [Overview for CR Type Coin Cells - 41KB](#) 












Technical Data - Table 1 - (CF)n/LI: Poly-Carbon Monofluoride (BR)								
Model No.	Electrical Characteristics (20°C)		Standard Load	Dimensions			Check our Distributor Inventory	Tab Configurations View Tab Configurations
	Nominal Voltage (V)	*Nominal Capacity (mAh)		Continuous Drain (mA)	Diameter (mm)	Height (mm)		
BR1220	3	35	0.03	12.5	2.00	0.7		
BR1225	3	48	0.03	12.5	2.50	0.8		
BR1632	3	120	0.03	16.0	3.20	1.5		
BR2032	3	190	0.03	20.0	3.20	2.5		
BR2325	3	165	0.03	23.0	2.50	3.2		
BR2330	3	255	0.03	23.0	3.00	3.2		
BR3032	3	500	0.03	30.0	3.20	5.5		
* Nominal capacity shown is based on standard drain and cut off voltage down to 2.0V at 20°C.								

Technical Data - Table 2 - MnO ₂ /LI:Manganese Dioxide (CR)								
Model No.	Electrical Characteristics (20°C)		Standard Load	Dimensions			Check our Distributor Inventory	Tab Configurations
	Nominal Voltage (V)	*Nominal Capacity (mAh)		Continuous Drain (mA)	Diameter (mm)	Height (mm)		
CR1025	3	30	0.10	10.0	2.50	0.7		View Tab Configurations
CR1216	3	25	0.10	12.5	1.60	0.7		
CR1220	3	35	0.10	12.5	2.00	1.2		
CR1612	3	40	0.10	16.0	1.20	0.8		
CR1616	3	55	0.10	16.0	1.60	1.2		
CR1620	3	75	0.10	16.0	2.00	1.3		
CR1632	3	140	0.10	16.0	3.20	1.8		
CR2016	3	90	0.10	20.0	1.60	1.6		
CR2025	3	165	0.20	20.0	2.50	2.3		
CR2032	3	225	0.20	20.0	3.20	2.9		
CR2330	3	265	0.20	23.0	3.00	3.8		
CR2354	3	560	0.20	23.0	5.40	5.8		
CR2412	3	100	0.20	24.5	1.20	2.0		
CR2450	3	620	0.20	24.5	5.00	6.3		
CR2477	3	1000	0.20	24.5	7.70	10.5		
CR3032	3	500	0.20	30.0	3.20	6.8		
* Nominal capacity shown is based on standard drain and cut off voltage down to 2.0V at 20°C. Note: Cells are available in assorted tab configurations. Consult your local regional office for additional information.								

Technical Data - Table 3 - Coin Cell Tab Configurations (BR Series)		
Model No.	Tab Description Drawing	Check our Distributor Inventory
BR1225/1HC	2 pin, horizontal mount, through hole, (with insulation wrap)	

BR1225/1VC	2 pin, vertical mount, through hole, (with insulation wrap)	
BR1632/1HF	2 pin, horizontal mount, through hole, (with insulation wrap)	
BR2032/1GU	3 pin, horizontal mount, through hole, (without insulation wrap)	
BR2032/1HE	2 pin, horizontal mount, through hole, (without insulation wrap)	
BR2032/1VB	2 pin, vertical mount, through hole, (without insulation wrap)	
BR2032/1F2	2 pin, flat mount, (with insulation wrap)	
BR2325/1HC	2 pin, horizontal mount, through hole, (with insulation wrap)	
BR2325/1HB	2 pin, horizontal mount, through hole, (without insulation wrap)	
BR2325/1VC	2 pin, vertical mount, through hole, (without insulation wrap)	
BR2325/1HG	2 pin, horizontal mount, through hole, (without insulation wrap)	
BR2325/1VG	2 pin, vertical mount, through hole, (without insulation wrap)	
BR2330/1HE	2 pin, horizontal mount, through hole, (without insulation wrap)	
BR2330/1VC	2 pin, vertical mount, through hole, (with insulation wrap)	
BR2330/1GVF	3 pin, vertical mount, through hole, (with insulation wrap)	

Technical Data - Table 4 - Coin Cell Tab Configurations (CR Series)

Model No.	Tab Description Drawing	Check our Distributor Inventory
CR1220/1HF	2 pin, horizontal mount, through hole, (with insulation wrap)	
CR1616/1F2	2 pin, flat mount, (without insulation wrap)	
CR2016/1F2	2 pin, flat mount, (with insulation wrap)	
CR2032/1F4	2 pin, flat mount, (with insulation wrap)	
CR2330/1HF	2 pin, horizontal mount, through hole, (with insulation wrap)	
CR2330/1VC	2 pin, vertical mount, through hole, (with insulation wrap)	
CR2354/1HF	2 pin, horizontal mount, through hole, (with insulation wrap)	
CR2354/1GU	3 pin, horizontal mount, through hole, (without insulation wrap)	
CR2354/1VC	2 pin, horizontal mount, through hole, (without insulation wrap)	
CR2477/1VC	2 pin, vertical mount, through hole, (with insulation wrap)	
CR2477/1HF	2 pin, horizontal mount, through hole, (with insulation wrap)	

[◀ BACK](#)

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