



BBCV2.MH14002 Lithium Batteries - Component

[Page Bottom](#)

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[See General Information for Lithium Batteries - Component](#)

RENATA SA

MH14002

KREUZENSTRASSE 30

4452 ITINGEN, SWITZERLAND

Model No.	Primary Type ^[a]	Max Abnormal Charging Current mA	Max Abnormal Charging Voltage, V dc	Replacement ^{[b],[c]}
1000-(g)(h)	Lithium/manganese dioxide	25	12	User
1000-7 (h)	Lithium/manganese dioxide	25	12	User
250-(g)(h)	Lithium/manganese dioxide	25	12	User
320A (h)	Lithium/manganese dioxide	5	12	User
338A (h)	Lithium/manganese dioxide	25	12	User
500-(g)(h)	Lithium/manganese dioxide	25	12	User
CR1025 (i)	Lithium/manganese dioxide	5	12	User
CR1216 (i)	Lithium/manganese dioxide	5	12	User
CR1216 MFR (i)(k)	Lithium/manganese dioxide (Coin)	3.5	-	User
CR1220 (i)	Lithium/manganese dioxide	25	12	User
CR1220 MFR (i)(k)	Lithium/manganese dioxide (Coin)	10	-	User
CR1225 (i)	Lithium/manganese dioxide	25	12	User
CR1616 (i)	Lithium/manganese dioxide	25	12	User
CR1616 MFR (i)(k)	Lithium/manganese dioxide (Coin)	4	-	User
CR1620 (i)	Lithium/manganese dioxide	25	12	User
CR1620 MFR (i)(k)	Lithium/manganese dioxide (Coin)	2.5	-	User
CR1632 (i)	Lithium/manganese dioxide (Coin)	25	12	User
CR1632 MFR (j)	Lithium/manganese dioxide (Coin)	4	-	User
CR2016 (i), CR2016-MFR (i)	Lithium/manganese dioxide	25	12	User
CR2016 MFR (j)	Lithium/manganese dioxide (Coin)	10	-	User
CR2016.MFR (i)	Lithium/manganese dioxide	8	12	User
CR2025 (i), CR2025-MFR (i)	Lithium/manganese dioxide	25	12	User
CR2025 MFR (j)	Lithium/manganese dioxide (Coin)	10	12	User
CR2025.MFR (i)	Lithium/manganese dioxide	8	12	User
CR2032 (i), CR2032-MFR (i)	Lithium/manganese dioxide	25	12	User
CR2032 MFR (j)	Lithium/manganese dioxide (Coin)	10	-	User

CR2032.MFR (i)	Lithium/manganese dioxide	8	12	User
CR2320 (i)	Lithium/manganese dioxide	25	12	User
CR2325 (i)	Lithium/manganese dioxide	25	12	User
CR2430 (i), CR2430-MFR (i)	Lithium/manganese dioxide	25	12	User
CR2430 MFR (i)(k)	Lithium/manganese dioxide (Coin)	25	-	User
CR2450HT (i)	Lithium/manganese dioxide	25	12	User
CR2450N (i), CR2450N-MFR (i)	Lithium/manganese dioxide	25	12	User
CR2450N.MFR (i)	Lithium/manganese dioxide	10	12	User
CR2477N (i)	Lithium/manganese dioxide (Coin)	25	12	User
CR2477N.MFR(i)	Lithium/manganese dioxide (Coin)	5	3.6	User
CR927 (i)	Lithium/manganese dioxide	5	12	User
CRN2016 MFR	Lithium/manganese dioxide (Coin)	10	-	User
CRN2025 MFR	Lithium/manganese dioxide (Coin)	10	-	User
CRN2032 MFR	Lithium/manganese dioxide (Coin)	10	-	User

Model No.	Secondary Type^[d]	Max Charging Current (Ic), mA	Max Charging Voltage, V dc^[e]	Test Compliance^[f]
AHB331242	Lithium ion	130	4.4	1
AHB701218	Lithium ion	225	4.4	1
ICP 402025	Lithium ion	155	4.4	1
ICP 501230	Lithium ion	140	4.4	1
ICP 502030	Lithium ion	250	4.4	3
ICP 651321	Lithium ion	125	4.4	1
ICP241019	Lithium ion	25	4.4	1
ICP303450	Lithium ion	510	4.4	3
ICP331319	Lithium ion	50	4.4	1
ICP341018	Lithium ion	35	4.4	1
ICP401230	Lithium ion	100	4.4	3
ICP402025	Lithium ion	78	4.4	3
ICP402035	Lithium ion	100	4.4	3
ICP402050	Lithium ion	420	4.4	3
ICP422339	Lithium ion	350	4.4	3
ICP501022	Lithium ion	80	4.4	3
ICP501230	Lithium ion	130	4.4	3
ICP501233	Lithium ion	175	4.4	1
ICP501421	Lithium ion	120	4.4	1
ICP502030	Lithium ion	46	4.4	3
ICP521630	Lithium ion	250	4.4	3
ICP543759	Lithium ion	1320	4.4	1
ICP552030	Lithium ion	300	4.4	3
ICP581323	Lithium ion	145	4.4	1
ICP582930	Lithium ion	450	4.4	3
ICP602823	Lithium ion	345	4.4	3

ICP606168	Lithium ion (Pouch)	2800	4.4	1
ICP621333	Lithium ion	240	4.4	1
ICP622540	Lithium ion	600	4.4	3
ICP631519	Lithium ion (Pouch)	110	4.4	1
ICP631524	Lithium ion (Pouch)	160	4.4	1
ICP631530	Lithium ion (Pouch)	225	4.4	1
ICP641414	Lithium ion	95	4.4	3
ICP641620	Lithium ion	165	4.4	1
ICP651321	Lithium ion	120	4.4	3
LMR2016 (#)	Lithium ion (Coin)	300	5.0	1

[a] These cells and batteries are not rechargeable. The circuit containing these cells or batteries is to contain a protective component that prevents charging. The circuitry is to include a current-limiting component intended to protect the cell or battery, in the event the protective component malfunctions, from a charging current in excess of the maximum abnormal charging current indicated.

[b] User - These primary cells and batteries are intended for use in applications subject to replacement by a user.

[c] Technician - These primary cells and batteries are intended for use in applications subject to replacement only by a trained service technician.

[d] These cells and batteries are rechargeable. The circuitry containing these cells or batteries is to contain protective components intended to protect the cells or batteries from currents in excess of the maximum charging current and voltage indicated.

[e] The Max Charging Voltage noted in the column is the maximum voltage employed during the abnormal charging test of the secondary lithium ion cell. However, the maximum recommended charging voltage for lithium ion cells is 4.2 V, unless indicated otherwise.

[f] Test Compliance - The cells comply with the tests in UL 1642 as noted:

- 1 - Complies with all single-cell tests
- 2 - Complies with all single-cell tests except the impact test
- 3 - Complies with all single-cell tests except the projectile test
- 4 - Complies with all single-cell tests except the crush test

(#) - These cells may have various insulating tube, ring or tape.

(g) - Followed by one or two digit number denoting the presence of a diode within the module or module orientation.

(h) - The power modules and cells may have a two letter suffix which denotes type of solder tab or wire lead or the mode of packaging or an additional letter and three digit suffix which denotes type of solder tab or wire lead.

(i) - These cells may have an additional (2) two alphanumeric characters prefix which denotes the amount of cells connected electrically together, up to three alphanumeric characters suffix which denotes type of solder tab or wire lead or the mode of packaging or (6) six/(7) seven alphanumeric characters suffix with format xxxx-y/xxxx-yy which denotes type of solder tab or wire lead where xxxx is the type and y/yy the revision level.

(j) - Cell model numbers may be followed by an optional slash (/) and single or multiple alphanumeric characters (i.e. letters and/or numbers), which denote optional features such as various mounting tabs, connecting leads or plugs, packaging, etc.

(k) - The cells may have various pin, tab, insulating tube, ring and tape.

Note - The VL, ML, MT, NBL, MS and CTL cell model prefix may or may not be followed by a "-" (i.e. VL-621 is identical to VL621).

Marking: Company name, Recognized Component Mark,  on the cell or smallest shipping package containing the cell.

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[Page Top](#)

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