ONLINE CERTIFICATIONS DIRECTORY

BBCV2.MH25881
Lithium Batteries - Component

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SHUN WO NEW POWER BATTERY TECHNOLOGY LTD MH25881
13TH FL, ROOM B
PRAT COMMERCIAL BLDG
TSIM SHA TSUI, 17-19 PRAT AVE
KOWLOON, HONG KONG

Lithium/manganese dioxide cells.

Model	Primary Type[a]	Max Abnormal Charging Current, mA	Max Abnormal Charging Voltage, V dc	Replacement[c], [d]
CR1025	Lithium/manganese dioxide	2.5	—	User
CR1216	Lithium/manganese dioxide	2.5	—	User
CR1220	Lithium/manganese dioxide	2.5	—	User
CR1225	Lithium/manganese dioxide	2.5	—	User
CR1530	Lithium/manganese dioxide	2.5	—	User
CR1616	Lithium/manganese dioxide	2.5	—	User
CR1620	Lithium/manganese dioxide	2.5	—	User
CR1632	Lithium/manganese dioxide	2.5	—	User
CR2016	Lithium/manganese dioxide	2.5	—	User
CR2025	Lithium/manganese dioxide	10	—	User
CR2032	Lithium/manganese dioxide	10	—	User
CR2320	Lithium/manganese dioxide	10	—	User
CR2325	Lithium/manganese dioxide	10	—	User
CR2330	Lithium/manganese dioxide	10	—	User
CR2335	Lithium/manganese dioxide	10	—	User
CR2354	Lithium/manganese dioxide	10	—	User
CR2430	Lithium/manganese dioxide	10	—	User
CR2450	Lithium/manganese dioxide	10	—	User
CR2477	Lithium/manganese dioxide	10	—	User

		Max Charging	Max Charging	Test

Model	Secondary Type[b]	Current (Ic), mA	Voltage, V dc[e]	Compliance[f]
PL401235	Lithium polymer	110	4.23	1
PL401430	Lithium polymer	120	4.23	1
PL402025	Lithium polymer	140	4.23	1
PL402030	Lithium polymer	180	4.23	1
PL402035	Lithium polymer	230	4.23	1
PL402248	Lithium polymer	360	4.23	1
PL403040	Lithium polymer	430	4.23	1
PL403048	Lithium polymer	560	4.23	1
PL403450	Lithium polymer	680	4.23	1
PL501134	Lithium polymer	150	4.23	1
PL501235	Lithium polymer	160	4.23	1
PL501430	Lithium polymer	160	4.23	1
PL501730	Lithium polymer	200	4.23	1
PL502025	Lithium polymer	180	4.23	1
PL502030	Lithium polymer	260	4.23	1
PL502035	Lithium polymer	290	4.23	1
PL502248	Lithium polymer	470	4.23	1
PL503040	Lithium polymer	600	4.23	1
PL503048	Lithium polymer	700	4.23	1
PL503450	Lithium polymer	840	4.23	1
PL601235	Lithium polymer	200	4.23	1
PL603048	Lithium polymer	800	4.23	1
PL603450	Lithium polymer	1000	4.23	1
PL323450	Lithium polymer	500	4.23	1
PL353040	Lithium polymer	330	4.23	1
PL373048	Lithium polymer	480	4.23	1
PL383450	Lithium polymer	620	4.23	1
PL422339	Lithium polymer	330	4.23	1
PL423048	Lithium polymer	580	4.23	1
PL452030	Lithium polymer	210	4.23	1
PL452248	Lithium polymer	430	4.23	1
PL551235	Lithium polymer	180	4.23	1
PL553450	Lithium polymer	950	4.23	1
PL481212	Lithium polymer	30	4.2	1
PL501212	Lithium polymer	35	4.2	1
PL401319	Lithium polymer	50	4.2	1
PL501022	Lithium polymer	65	4.2	1
PL551417	Lithium polymer	65	4.2	1
PL401225	Lithium polymer	80	4.2	1

PL501221	Lithium polymer	80	4.2	1
PL401230	Lithium polymer	100	4.2	1
PL501225	Lithium polymer	105	4.2	1
PL401235	Lithium polymer	115	4.2	1
PL401430	Lithium polymer	115	4.2	1
PL402025	Lithium polymer	120	4.2	1
PL501230	Lithium polymer	140	4.2	1
PL401630	Lithium polymer	150	4.2	1
PL402030	Lithium polymer	150	4.2	1
PL051134	Lithium polymer	150	4.2	1
PL051235	Lithium polymer	150	4.2	1
PL401730	Lithium polymer	160	4.2	1
PL601230	Lithium polymer	170	4.2	1
PL051430	Lithium polymer	170	4.2	1
PL302035	Lithium polymer	180	4.2	1
PL601722	Lithium polymer	180	4.2	1
PL203833	Lithium polymer	180	4.2	1
PL402035	Lithium polymer	180	4.2	1
PL502223	Lithium polymer	190	4.2	1
PL401834	Lithium polymer	200	4.2	1
PL051730	Lithium polymer	200	4.2	1
PL052025	Lithium polymer	200	4.2	1
PL581730	Lithium polymer	230	4.2	1
PL222362	Lithium polymer	240	4.2	1
PL052030	Lithium polymer	270	4.2	1
PL452035	Lithium polymer	280	4.2	1
PL681730	Lithium polymer	280	4.2	1
PL802024	Lithium polymer	280	4.2	1
PL1002020	Lithium polymer	300	4.2	1
PL402535	Lithium polymer	300	4.2	1
PL402248	Lithium polymer	300	4.2	1
PL582131	Lithium polymer	320	4.2	1
PL303040	Lithium polymer	340	4.2	1
PL243150	Lithium polymer	350	4.2	1
PL223255	Lithium polymer	350	4.2	1
PL701834	Lithium polymer	380	4.2	1
PL502535	Lithium polymer	420	4.2	1
PL403040	Lithium polymer	430	4.2	1
PL283450	Lithium polymer	450	4.2	1
PL353442	Lithium polymer	450	4.2	1

PL552045	Lithium polymer	470	4.2	1
PL633027	Lithium polymer	470	4.2	1
PL602339	Lithium polymer	500	4.2	1
PL602045	Lithium polymer	540	4.2	1
PL403048	Lithium polymer	540	4.2	1
PL802530	Lithium polymer	550	4.2	1
PL603040	Lithium polymer	650	4.2	1
PL653539	Lithium polymer	800	4.2	1
PL102535	Lithium polymer	800	4.2	1
PL533446	Lithium polymer	820	4.2	1
PL503450	Lithium polymer	850	4.2	1
PL304665	Lithium polymer	900	4.2	1
PL454950	Lithium polymer	700	4.2	1
PL503562	Lithium polymer	700	4.2	1
PL553830	Lithium polymer	660	4.2	4
PL852631	Lithium polymer	700	4.2	4
PL403450	Lithium polymer	710	4.2	4
PL802045	Lithium polymer	740	4.2	4
PL404049	Lithium polymer	820	4.2	4
PL503448	Lithium polymer	850	4.2	4
PL503759	Lithium polymer	770	4.2	4
PL385072	Lithium polymer	980	4.2	4
PL603960	Lithium polymer	1050	4.2	4
PL555152	Lithium polymer	1085	4.2	4
PL405280	Lithium polymer	1260	4.2	4
PL703675	Lithium polymer	1400	4.2	4
PL605280	Lithium polymer	1100	4.2	4
PL703496	Lithium polymer	1150	4.2	4
PL904570	Lithium polymer	1500	4.2	4
PL6035135	Lithium polymer	1500	4.2	4
PL705280	Lithium polymer	1600	4.2	4
PL703770	Lithium polymer	1400	4.2	4
LIR2025	Lithium ion coin	15	4.2	1
LIR2032	Lithium ion coin	23	4.2	1
LIR2430	Lithium ion coin	33	4.2	1
LIR2450	Lithium ion coin	68	4.2	1
LIR2477	Lithium ion coin	105	4.2	1
LIR3032	Lithium ion coin	55	4.2	1
LIR3055	Lithium ion coin	115	4.2	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) 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.

(c) User — These primary cells and batteries are intended for use in applications subject to replacement by a user.

(d) Technician — These primary cells and batteries are intended for use in applications subject to replacement only by a trained service technician.

(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

Marking: Company name or trademark Newsun , model designation and the Recognized Component Mark .
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