

File MH62637  
Project 4788268083

June 19, 2018  
Revised: **November 16, 2023**

REPORT

on

COMPONENT - Lithium Batteries

Guangdong Cvasun New Energy Technology Co.,Ltd.  
Dongguan, Guangdong

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## DESCRIPTION

## PRODUCT COVERED:

USR Component - Secondary, lithium-ion cells as noted below.

Model Number	Chemistry	Shape/Type
All models expect of below	$6C + LiNi_aMn_bCo_{1-a-b}O_2 = Li_{1-x}Ni_aMn_bCo_{1-a-b}O_2 + Li_xC_6$	Pouch
955565-5000mAh, 105570-5000mAh, 114371-4000mAh, 115570-5000mAh, 9373129-10000mAh, 1260110-10000mAh, 1260110-9500mAh, 1260110-9000mAh	$6C + LiNi_aMn_bCo_{1-a-b}O_2 = Li_{1-x}Ni_aMn_bCo_{1-a-b}O_2 + Li_xC_6$ , $a=0.5, b=0.3, 1-a-b=0.2$	Pouch
115555, 706075, 785767-5000mAh, 105555, 645464, 114371-4500mAh, 114371-5000mAh, <b>126280-10000mAh,</b> <b>456085, 7565115,</b> <b>146074-10000mAh,</b> <b>906085, 676074,</b> <b>626280, 546381,</b> <b>466592, 606080,</b> <b>795765, 6060100-</b> <b>5000mAh, 105568-</b> <b>4000mAh, 113475</b>	$6C + LiNi_aMn_bCo_{1-a-b}O_2 = Li_{1-x}Ni_aMn_bCo_{1-a-b}O_2 + Li_xC_6$ $a=0.6, b=0.3, 1-a-b=0.1$	Pouch

## ELECTRICAL RATING:

See also Conditions of Acceptability for charge limit specifications.

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), Ah
1160100	3.7	9.8
606090	3.7	4.0
505573	3.7	2.5
5560100	3.7	4.9
5564113	3.7	5.0
126090	3.7	8.0
656090	3.7	5.0
7565121	3.7	7.9
9060100	3.7	7.8
906090	3.7	6.0
7865110	3.7	8.0
6348113	3.7	4.9
626090	3.7	4.8
546691	3.7	4.5
1042100	3.7	4.5
656583	3.7	4.9
1260100	3.7	9.5
5757101	3.7	4.8
634098	3.7	2.85
905045	3.7	2.0
105673	3.7	5.8
904550	3.7	2.0
9065115	3.7	9.8
956090	3.7	7.0
655063	3.7	3.0
706090	3.7	5.0
6060100	3.7	5.0
805080	3.7	4.0
105573	3.7	5.0
105080	3.7	5.0
<b>114273</b>	<b>3.7</b>	<b>5.0</b>
<b>656583P</b>	<b>3.7</b>	<b>5.0</b>
<b>924093</b>	<b>3.7</b>	<b>5.0</b>
<b>955565</b>	<b>3.7</b>	<b>5.0</b>
<b>955570</b>	<b>3.7</b>	<b>5.0</b>
<b>5758102</b>	<b>3.7</b>	<b>5.0</b>
<b>1055125</b>	<b>3.7</b>	<b>10.0</b>
<b>1158115</b>	<b>3.7</b>	<b>10.0</b>
<b>1160100P</b>	<b>3.7</b>	<b>10.0</b>
<b>1165113</b>	<b>3.7</b>	<b>10.0</b>
<b>1166110</b>	<b>3.7</b>	<b>10.0</b>
<b>1260100P</b>	<b>3.7</b>	<b>10.0</b>
<b>8870129</b>	<b>3.7</b>	<b>10.0</b>
<b>9265115</b>	<b>3.7</b>	<b>10.0</b>
<b>9373129</b>	<b>3.7</b>	<b>10.0</b>

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), Ah
105673P	3.7	6
626090P	3.7	5
1260113	3.7	10
1148118	3.7	8
5560100P	3.7	5
5565110	3.7	5
6348113P	3.7	5
9060100P	3.7	8
103450	3.7	1.8
5494130	3.7	10
1160110	3.7	10
1260110	3.7	10
7566121	3.7	7
7565121P	3.7	8
9170129	3.7	10
103450P	3.7	2.0
954292P	3.7	4.0
955565P	3.7	4.0
905472	3.7	5.0
105568	3.7	5.0
954292	3.7	5.0
5565113	3.7	5.0
7065112	3.7	7.0
7565113	3.7	7.0
1147126	3.7	8.0
8961118	3.7	9.0
1066121	3.7	10.0
1166110	3.7	10.0
1060110	3.7	10.0
8873129	3.7	10.0
<b>755590</b>	<b>3.7</b>	<b>5</b>
<b>115570</b>	<b>3.7</b>	<b>5</b>
<b>816073</b>	<b>3.7</b>	<b>4.5</b>
<b>745588</b>	<b>3.7</b>	<b>4</b>
<b>124065</b>	<b>3.7</b>	<b>4</b>
<b>635486</b>	<b>3.7</b>	<b>3</b>
<b>974058</b>	<b>3.7</b>	<b>3</b>
<b>103665</b>	<b>3.7</b>	<b>3</b>
<b>655063P</b>	<b>3.7</b>	<b>3</b>
<b>755060</b>	<b>3.7</b>	<b>3</b>
<b>903659</b>	<b>3.7</b>	<b>2.5</b>
<b>104050</b>	<b>3.7</b>	<b>2.5</b>
<b>505060</b>	<b>3.7</b>	<b>2</b>
<b>804050</b>	<b>3.7</b>	<b>2</b>
<b>454261</b>	<b>3.7</b>	<b>1.5</b>

(Continuous)

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), Ah
103040	3.7	0.8
103040P	3.7	1.2
803450	3.7	1.5
515777	3.85	3.4
735590	3.7	4.0
1260110P	3.7	8.0
785767	3.85	4.8
106168	3.7	5.0
105570	3.7	5.0
654060	3.7	2.0
6564130	3.7	6.5
1064130	3.7	8.3
126280	3.85	9.3
146074	3.85	9.5
1264130	3.7	10.0
955565-5000mAh	3.7	5.0
105570-5000mAh	3.7	5.0
114371-4000mAh	3.7	4.0
115555	3.85	5.0
706075	3.85	5.0
785767-5000mAh	3.85	5.0
105555	3.85	5.0
645464	3.85	4.0
114371-4500mAh	3.85	4.5
114371-5000mAh	3.85	5.0
115570-5000mAh	3.7	5.0
9373129-10000mAh	3.7	10.0
1260110-10000mAh	3.7	10.0
1260110-9500mAh	3.7	9.5
1260110-9000mAh	3.7	9.0
<b>126280-10000mAh</b>	<b>3.85</b>	<b>10.0</b>
<b>456085</b>	<b>3.7</b>	<b>4.0</b>
<b>7565115</b>	<b>3.7</b>	<b>8.0</b>
<b>146074-10000mAh</b>	<b>3.85</b>	<b>10.0</b>
<b>906085</b>	<b>3.7</b>	<b>8.0</b>
<b>676074</b>	<b>3.85</b>	<b>5.0</b>
<b>626280</b>	<b>3.85</b>	<b>5.0</b>
<b>676076</b>	<b>3.7</b>	<b>5.0</b>
<b>546381</b>	<b>3.7</b>	<b>5.0</b>
<b>466592</b>	<b>3.7</b>	<b>5.0</b>
<b>606080</b>	<b>3.7</b>	<b>5.0</b>
<b>795765</b>	<b>3.7</b>	<b>5.0</b>
<b>6060100-5000mAh</b>	<b>3.7</b>	<b>5.0</b>
<b>105568-4000mAh</b>	<b>3.7</b>	<b>4.0</b>
<b>113475</b>	<b>3.7</b>	<b>3.0</b>

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

**USR - Products designated USR have been investigated using US requirements as noted in the Test Record.**

Use - For use only in products where the acceptability of the combination is determined by UL LLC.

Conditions of Acceptability - The use of these cells may be considered generally acceptable under the conditions given below:

1. The cells should be used within their manufacturer's specified temperature ranges as noted in Table below:

Models	Manufacturer Specified Temperature ranges	
All models except below models	Charging Temperature Range	10-55 °C
	Discharging Temperature Range	10-55 °C
	Upper Limit Charging Voltage	4.2Vdc
	Upper charging Temp limit(T3)	55 °C
	Lower charging Temp limit(T2)	10 °C
114273, 656583P, 924093, 955565, 955570, 5758102, 1055125, 1158115, 1160100P, 1165113, 1165110, 1260100P, 8870129, 9265115, 9373129	Charging Temperature Range	10-55 °C
	Discharging Temperature Range	10-55 °C
	Upper Limit Charging Voltage	4.2 Vdc
	Upper charging Temp limit(T3)	55 °C
	Lower charging Temp limit(T2)	10 °C
105673P, 626090P, 1260113, 1148118, 5560100P, 5565110, 6348113P, 9060100P, 103450, 5494130, 1160110, 1260110, 7566121, 7565121P, 9170129, 103450P, 954292P, 955565P, 905472, 105568, 954292, 5565113, 7065112, 7565113, 1147126, 8961118, 1066121, 1166110, 1060110, 8873129	Charging Temperature Range	10 ~ 45 °C
	Discharging Temperature Range	-20 ~60 °C
	Upper Limit Charging Voltage	4.2 Vdc
	Upper charging Temp limit(T3)	45 °C
	Lower charging Temp limit(T2)	10 °C
755590, 115570, 816073, 745588, 124065, 635486, 974058, 103665, 655063P, 755060, 903659, 104050, 505060, 804050, 454261	Charging Temperature Range	10~45°C
	Discharging Temperature Range	0~60°C
	Upper Limit Charging Voltage	4.2 Vdc
	Upper charging Temp limit(T3)	45°C
	Lower charging Temp limit(T2)	10°C
103040, 103040P, 803450, 735590, 1260110P, 106168, 105570, 654060, 6564130, 1064130, 1264130	Charging Temperature Range	10~45°C
	Discharging Temperature Range	-20~60°C
	Upper Limit Charging Voltage	4.2 Vdc
	Upper charging Temp limit(T3)	45°C
	Lower charging Temp limit(T2)	10°C
515777, 785767, 126280, 146074	Charging Temperature Range	10~45°C
	Discharging Temperature Range	-20~60°C
	Upper Limit Charging Voltage	4.4 Vdc
	Upper charging Temp limit(T3)	45°C
	Lower charging Temp limit(T2)	10°C

\*

Table continue's

Models	Manufacturer Specified Temperature ranges	
955565-5000mAh, 105570-5000mAh, 114371-4000mAh, 115570-5000mAh, 9373129-10000mAh, 1260110-10000mAh, 1260110-9500mAh, 1260110-9000mAh, <b>7565115, 6060100-5000mAh, 105568-4000mAh, 113475</b>	Charging Temperature Range	0 to 55 °C
	Discharging Temperature Range	-20 to 60 °C
	Upper Limit Charging Voltage	4.2Vdc
	Upper charging Temp limit(T3)	45 °C
	Lower charging Temp limit(T2)	10 °C
115555, 706075, 785767-5000mAh, 105555, 645464, 114371-4500mAh, 114371-5000mAh, <b>126280-10000mAh, 456085, 146074-10000mAh, 906085, 676074, 626280, 546381, 466592, 606080, 795765, 676076</b>	Charging Temperature Range	0 to 55 °C
	Discharging Temperature Range	-20 to 60 °C
	Upper Limit Charging Voltage	4.4 Vdc
	Upper charging Temp limit(T3)	45 °C
	Lower charging Temp limit(T2)	10 °C



**The end product shall be designed to prevent the high temperature excursions on cell surface from exceeding 100°C (212°F).**

2. These cells are to be used only in devices where servicing of the cell circuit and installation and replacement of the lithium-ion cells will be done by a trained technician. These cells are intended to be installed in a protective enclosure in the end use application that prevents access to the cells and associated cell circuitry by the user during charging and discharging of the cells.
3. These cells shall be installed within an enclosure that provides mechanical protection in the end use application, so that they protected from physical abuse that could result in damage to the cells including internal short circuits or shorting of terminals. Enclosures provided in the end use application shall prevent access to the cells through the use of simple tools or through openings.
4. The suitability of these cells for multi cell applications including series or parallel connections shall be determined in the end use. Cells used in multi-cell applications shall be of the same type, ratings and age to prevent the potential for explosions and fire due to cell imbalance.
5. For cells intended for series applications, protection shall be provided in the end use application to prevent cell reversal due to a forced discharge condition. A forced discharge test shall be conducted in the end use application for series connected cell applications.
6. **Fire and explosion resulted when these cells, model: 645464 were subjected to the impact test. These cells shall be provided with a mechanical enclosure that prevents either crush or impact of the cells in the end use application and special precautions should be taken when handling these cells during installation and disposal to prevent crush and impact to the cells.**
- \* 7. These cells have been subjected to an abnormal charge test which subjects the cells to a constant current (CC) charge method followed by a constant voltage (CV) charge method. The test limit parameters for the abnormal charge test are outlined in the table below. The charging circuit in the end use application shall limit the charging current and charging voltage to the levels noted in the table under both normal and single fault condition. If the charging current and voltage in the end use application cannot be maintained at or below the levels noted in the table or if the charging method is different from the CC/CV method noted above, additional evaluation and testing may be necessary.

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
1160100	4900	4.20
606090	2000	4.20
505573	1250	4.20
5560100	2450	4.20
5564113	2500	4.20
126090	4000	4.20
656090	2500	4.20
7565121	3950	4.20
9060100	3900	4.20
906090	3000	4.20
7865110	4000	4.20
6348113	2450	4.20
626090	2400	4.20
546691	2250	4.20
1042100	2250	4.20
656583	2450	4.20
1260100	4750	4.20
5757101	2400	4.20
634098	1425	4.20
905045	1000	4.20
105673	2900	4.20
904550	1000	4.20
9065115	4900	4.20
956090	3500	4.20
655063	1500	4.20
706090	2500	4.20
6060100	2500	4.20
805080	2000	4.20
105573	2500	4.20
105080	2500	4.20
<b>114273</b>	<b>2500</b>	<b>4.2</b>
<b>656583P</b>	<b>2500</b>	<b>4.2</b>
<b>924093</b>	<b>2500</b>	<b>4.2</b>
<b>955565</b>	<b>2500</b>	<b>4.2</b>
<b>955570</b>	<b>2500</b>	<b>4.2</b>
<b>5758102</b>	<b>2500</b>	<b>4.2</b>
<b>1055125</b>	<b>5000</b>	<b>4.2</b>
<b>1158115</b>	<b>5000</b>	<b>4.2</b>
<b>1160100P</b>	<b>5000</b>	<b>4.2</b>
<b>1165113</b>	<b>5000</b>	<b>4.2</b>
<b>1166110</b>	<b>5000</b>	<b>4.2</b>
<b>1260100P</b>	<b>5000</b>	<b>4.2</b>
<b>8870129</b>	<b>5000</b>	<b>4.2</b>
<b>9265115</b>	<b>5000</b>	<b>4.2</b>
<b>9373129</b>	<b>5000</b>	<b>4.2</b>

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
105673P	3000	4.2
626090P	2500	4.2
1260113	5000	4.2
1148118	4000	4.2
5560100P	2500	4.2
5565110	2500	4.2
6348113P	2500	4.2
9060100P	4000	4.2
103450	900	4.2
5494130	5000	4.2
1160110	5000	4.2
1260110	5000	4.2
7566121	3500	4.2
7565121P	4000	4.2
9170129	5000	4.2
103450P	1000	4.2
954292P	2000	4.2
955565P	2000	4.2
905472	2500	4.2
105568	2500	4.2
954292	2500	4.2
5565113	2500	4.2
7065112	3500	4.2
7565113	3500	4.2
1147126	4000	4.2
8961118	4500	4.2
1066121	5000	4.2
1166110	5000	4.2
1060110	5000	4.2
8873129	5000	4.2
<b>755590</b>	<b>2500</b>	<b>4.2</b>
<b>115570</b>	<b>2500</b>	<b>4.2</b>
<b>816073</b>	<b>2250</b>	<b>4.2</b>
<b>745588</b>	<b>2000</b>	<b>4.2</b>
<b>124065</b>	<b>2000</b>	<b>4.2</b>
<b>635486</b>	<b>1500</b>	<b>4.2</b>
<b>974058</b>	<b>1500</b>	<b>4.2</b>
<b>103665</b>	<b>1500</b>	<b>4.2</b>
<b>655063P</b>	<b>1500</b>	<b>4.2</b>
<b>755060</b>	<b>1500</b>	<b>4.2</b>
<b>903659</b>	<b>1250</b>	<b>4.2</b>
<b>104050</b>	<b>1250</b>	<b>4.2</b>
<b>505060</b>	<b>1000</b>	<b>4.2</b>
<b>804050</b>	<b>1000</b>	<b>4.2</b>
<b>454261</b>	<b>750</b>	<b>4.2</b>

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
103040	400	4.2
103040P	600	4.2
803450	750	4.2
515777	3400	4.4
735590	2000	4.2
1260110P	8000	4.2
785767	4800	4.4
106168	5000	4.2
105570	5000	4.2
654060	1000	4.2
6564130	6500	4.2
1064130	8300	4.2
126280	4650	4.4
146074	9500	4.4
1264130	10000	4.2
955565-5000mAh	<b>5000</b>	4.2
105570-5000mAh	<b>5000</b>	4.2
114371-4000mAh	<b>4000</b>	4.2
115555	<b>5000</b>	4.4
706075	<b>5000</b>	4.4
785767-5000mAh	<b>5000</b>	4.4
105555	<b>5000</b>	4.4
645464	<b>4000</b>	4.4
114371-4500mAh	<b>4005</b>	4.4
114371-5000mAh	<b>5000</b>	4.4
115570-5000mAh	<b>5000</b>	4.2
9373129-10000mAh	<b>10000</b>	4.2
1260110-10000mAh	<b>10000</b>	4.2
1260110-9500mAh	<b>9500</b>	4.2
1260110-9000mAh	<b>9000</b>	4.2
<b>126280-10000mAh</b>	<b>10000</b>	<b>4.4</b>
<b>456085</b>	<b>4000</b>	<b>4.4</b>
<b>7565115</b>	<b>8000</b>	<b>4.2</b>
<b>146074-10000mAh</b>	<b>10000</b>	<b>4.4</b>
<b>906085</b>	<b>8000</b>	<b>4.4</b>
<b>676074</b>	<b>5000</b>	<b>4.4</b>
<b>626280</b>	<b>5000</b>	<b>4.4</b>
<b>676076</b>	<b>10000</b>	<b>4.4</b>
<b>546381</b>	<b>5000</b>	<b>4.4</b>
<b>466592</b>	<b>5000</b>	<b>4.4</b>
<b>606080</b>	<b>5000</b>	<b>4.4</b>
<b>795765</b>	<b>5000</b>	<b>4.4</b>
<b>6060100-5000mAh</b>	<b>10000</b>	<b>4.2</b>
<b>105568-4000mAh</b>	<b>4000</b>	<b>4.2</b>
<b>113475</b>	<b>3000</b>	<b>4.2</b>

## MARKINGS/INSTRUCTIONS:

The Recognized manufacturer's name, File No. (MH62637), trade name or trademark or other descriptive markings or traceable ID code; Catalog number or model designation or equivalent; and date of manufacturer on the cell.

The cell or smallest package containing the cell shall be marked with the UL Recognition Mark.

The date of manufacture may be in the form of a code.

The date code consists of the following: YYYYMDD

YYYY represent manufacture year, e.g.: 2018, 2019...

M represent manufacture month, "A" to "L", "A" = Jan. "B"=Feb...

DD represent manufacture date, 01, 02...31

\*For **Example**, 2018A12 represent product manufacture in 12<sup>th</sup> Jan, 2018.

Lithium-Ion Pouch (Polymer) Cells - Fig(s) 1 - 2

General - See Ill.1 for additional details of construction.

1. Cell Case - Consists of material, overall dimensions, and sealing methods, as noted below.

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thickness	--	--	--
1160100	Aluminum Laminated Film	100.5	60.5	11.0	0.113±0.007	Heat sealing	PP
606090		90.5	60.5	6.0	0.113±0.007		
505573		73	55	5.0	0.113±0.007		
5560100		100.5	60.5	5.8	0.113±0.007		
5564113		113	65	5.5	0.113±0.007		
126090		90.5	60.5	12.0	0.113±0.007		
656090		90.5	60.5	6.5	0.113±0.007		
7565121		121	65	7.5	0.113±0.007		
9060100		100.5	60.5	9.0	0.113±0.007		
906090		90.5	60.5	9.0	0.113±0.007		
7865110		110.5	65.5	7.8	0.113±0.007		
6348113		113	48	6.3	0.113±0.007		
626090		90.5	60.5	6.2	0.113±0.007		
546691		91	66	5.4	0.113±0.007		
1042100		100	42	10.0	0.113±0.007		
656583		83	65	6.5	0.113±0.007		
1260100		100.5	60.5	12.0	0.113±0.007		
5757101		101	57	5.7	0.113±0.007		
634098		98	40	6.3	0.113±0.007		
905045		45	50	9.0	0.113±0.007		
105673		73	56	10.0	0.113±0.007		
904550		50	45	9.0	0.113±0.007		
9065115		115	65	9.2	0.113±0.007		
956090		90.5	60.5	9.5	0.113±0.007		
655063		63	50	6.5	0.113±0.007		
706090		90.5	60.5	7.0	0.113±0.007		
6060100		100.5	60.5	6.0	0.113±0.007		
805080		80	50	8.0	0.113±0.007		
105573		73.5	55.5	10.0	0.113±0.007		
105080		80.5	50.5	10.0	0.113±0.007		
114273	Aluminum Laminated Film	73.5	42.5	11	0.113±0.007	Heat sealing	PP
656583P		83.5	65.5	6.5	0.113±0.007		PP
924093		93.5	40.5	9.2	0.113±0.007		PP
955565		65.5	55.5	9.5	0.113±0.007		PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thickness	--	--	--
955570	Aluminum Laminated Film	70.5	55.5	9.5	0.113±0.007	Heat sealing	PP
5758102		102	58	5.7	0.113±0.007		PP
1055125		125.5	55.5	10	0.113±0.007		PP
1158115		115.5	58.5	11	0.113±0.007		PP
1160100P		100.5	60.5	11	0.113±0.007		PP
1165113		113.5	65.2	11	0.113±0.007		PP
1165110		110	65	11	0.113±0.007		PP
1260100P		100.5	60.5	12	0.113±0.007		PP
8870129		129.5	70.5	8.8	0.113±0.007		PP
9265115		115.5	65.5	9.2	0.113±0.007		PP
9373129		129	73	9.3	0.113±0.007		PP
105673P	Aluminum Laminated Film	73.5	56.5	10	0.113±0.007	Heat sealing	PP
626090P		90.5	60.5	6.2	0.113±0.007		PP
1260113		113.0	60.0	12.0	0.113±0.007		PP
1148118		118.5	48.5	10.5	0.113±0.007		PP
5560100P		100.5	60.5	5.8	0.113±0.007		PP
5565110		110	65.0	5.5	0.113±0.007		PP
6348113P		113	48	6.3	0.113±0.007		PP
9060100P		100.5	60.5	9.0	0.113±0.007		PP
103450		50	34	10	0.113±0.007		PP
5494130		130	94.5	5.4	0.113±0.007		PP
1160110		110	60	11	0.113±0.007		PP
1260110		110	60	12	0.113±0.007		PP
7566121		121	66	7.5	0.113±0.007		PP
7565121P		121	66	7.5	0.113±0.007		PP
9170129		129.5	70.5	9.1	0.113±0.007		PP
<b>103450P</b>	Aluminum Laminated Film	<b>50</b>	<b>34</b>	<b>10</b>	<b>0.113±0.007</b>	Heat sealing	<b>PP</b>
<b>954292P</b>		<b>92</b>	<b>42</b>	<b>9.5</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>955565P</b>		<b>65.5</b>	<b>55.5</b>	<b>9.5</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>905472</b>		<b>72</b>	<b>54</b>	<b>9</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>105568</b>		<b>68</b>	<b>55</b>	<b>10</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>954292</b>		<b>92</b>	<b>42</b>	<b>9.5</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>5565113</b>		<b>113.5</b>	<b>64.5</b>	<b>5.5</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>7065112</b>		<b>112</b>	<b>65</b>	<b>7</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>7565113</b>		<b>113</b>	<b>65</b>	<b>7.5</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>1147126</b>		<b>126</b>	<b>47</b>	<b>11</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>8961118</b>		<b>118</b>	<b>61</b>	<b>8.9</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>1066121</b>		<b>121</b>	<b>66</b>	<b>10</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>1166110</b>		<b>110</b>	<b>66</b>	<b>11</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>1060110</b>		<b>110</b>	<b>60</b>	<b>10</b>	<b>0.113±0.007</b>		<b>PP</b>
<b>8873129</b>		<b>129</b>	<b>73</b>	<b>8.8</b>	<b>0.113±0.007</b>		<b>PP</b>

Table cont'd:

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thickness	--	--	--
755590	Al-plastic film	90	55	7.5	0.113	Heat sealing	PP
115570		70.3	55.2	11	0.113		PP
816073		73	60	8.1	0.113		PP
745588		88	55	7.4	0.113		PP
124065		65	40	11.5	0.113		PP
635486		86	54	6.3	0.113		PP
974058		58	40	9.7	0.113		PP
103665		65	36	10	0.113		PP
655063P		63.5	50.5	6.5	0.113		PP
755060		60	50	7.5	0.113		PP
903659		59	36	9	0.113		PP
104050		50	40	10	0.113		PP
505060		60.5	50.5	5	0.113		PP
804050		50	40	8	0.113		PP
454261		61.5	42.5	4.5	0.113		PP
103040	Al-plastic film	40	30	10	0.113±0.007	Heat sealing	PP
103040P		40	30	10	0.113±0.007		PP
803450		50	34	8	0.113±0.007		PP
515777		77	57	5.1	0.113±0.007		PP
735590		90	55	7.3	0.113±0.007		PP
1260110P		110	60	12	0.113±0.007		PP
785767		67	57	7.8	0.113±0.007		PP
106168		68	61	10	0.113±0.007		PP
105570		70	55	10	0.113±0.007		PP
654060		60	40	6.5	0.113±0.007		PP
6564130		130.5	64	6.5	0.113±0.007		PP
1064130		130.5	64	10	0.113±0.007		PP
126280		80.5	62	12	0.113±0.007		PP
146074		74.5	60.5	13.8	0.113±0.007		PP
1264130		130.5	64	12	0.113±0.007		PP



Table cont'd:

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thickness	--	--	--
955565-5000mAh	Aluminum-plastic composite membrane	65.5	55.2	9.5	0.113	Heat sealing	PP
105570-5000mAh		68	55	10	0.113		PP
114371-4000mAh		71	43	10.5	0.113		PP
115555		55	55	10.5	0.113		PP
706075		75	60	7	0.113		PP
785767-5000mAh		67	57	7.8	0.113		PP
105555		55	55	10.5	0.113		PP
645464		64	54	6.4	0.113		PP
114371-4500mAh		71	43	10.5	0.113		PP
114371-5000mAh		71	43	10.5	0.113		PP
115570		70.3	55.2	11.3	0.113		PP
9373129		129	73	9.3	0.113		PP
1260110-10000mAh		110	60	12	0.113		PP
1260110-9500mAh		110	60	12	0.113		PP
1260110-9000mAh		110	60	12	0.113		PP
<b>126280-10000mAh</b>	Aluminum-plastic composite membrane	<b>80.5</b>	<b>62</b>	<b>12</b>	<b>0.113</b>	Heat sealing	<b>PP</b>
<b>456085</b>		<b>85</b>	<b>60.0</b>	<b>4.5</b>	<b>0.113</b>		<b>PP</b>
<b>7565115</b>		<b>115</b>	<b>65.0</b>	<b>7.5</b>	<b>0.113</b>		<b>PP</b>
<b>146074-10000mAh</b>		<b>74.5</b>	<b>60.5</b>	<b>13.7</b>	<b>0.113</b>		<b>PP</b>
<b>906085</b>		<b>85</b>	<b>60</b>	<b>9.0</b>	<b>0.113</b>		<b>PP</b>
<b>676074</b>		<b>74.5</b>	<b>60</b>	<b>6.8</b>	<b>0.113</b>		<b>PP</b>
<b>626280</b>		<b>80</b>	<b>62</b>	<b>6.2</b>	<b>0.113</b>		<b>PP</b>
<b>676076</b>		<b>76</b>	<b>60</b>	<b>6.7</b>	<b>0.113</b>		<b>PP</b>
<b>546381</b>		<b>81</b>	<b>63</b>	<b>5.4</b>	<b>0.113</b>		<b>PP</b>
<b>466592</b>		<b>92</b>	<b>65</b>	<b>4.6</b>	<b>0.113</b>		<b>PP</b>
<b>606080</b>		<b>80</b>	<b>60</b>	<b>6.0</b>	<b>0.113</b>		<b>PP</b>
<b>795765</b>		<b>65</b>	<b>57</b>	<b>7.9</b>	<b>0.113</b>		<b>PP</b>
<b>6060100-5000mAh</b>		<b>100.7</b>	<b>60</b>	<b>6.0</b>	<b>0.113</b>		<b>PP</b>
<b>105568-4000mAh</b>		<b>68</b>	<b>55</b>	<b>10</b>	<b>0.113</b>		<b>PP</b>
<b>113475</b>		<b>75</b>	<b>34</b>	<b>11</b>	<b>0.113</b>		<b>PP</b>

- \*2. Electrode Assemblies - Consists of positive and negative electrodes that are wound in concentric layers similar to cylindrical wound designs. They are constructed as noted below.

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
--	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
1160100	I11.1	1945*92	I11.1	1848*93.5	≥1.14
606090	I11.1	1125*82.5	I11.1	1026*83.5	≥1.14
505573	I11.1	872*65	I11.1	782*66	≥1.14
5560100	I11.1	1127*92.5	I11.1	1028*93.5	≥1.14
5564113	I11.1	1079*105	I11.1	975*106.5	≥1.14
126090	I11.1	2005*81	I11.1	1897*82.5	≥1.14
656090	I11.1	1181*82.5	I11.1	1082*83.5	≥1.14
7565121	I11.1	1380*112.5	I11.1	1273*114	≥1.14
9060100	I11.1	1617*92	I11.1	1518*93.5	≥1.14
906090	I11.1	1562*82	I11.1	1459*83.5	≥1.14
7865110	I11.1	1504*101.5	I11.1	1407*103	≥1.14
6348113	I11.1	961*104.5	I11.1	883*105.5	≥1.14
626090	I11.1	1179*82.5	I11.1	1082*83.5	≥1.14
546691	I11.1	1109*83	I11.1	1004*84.5	≥1.14
1042100	I11.1	1221*91	I11.1	1143*92.5	≥1.14
656583	I11.1	1339*74.5	I11.1	1236*76	≥1.14
1260100	I11.1	1995*91.5	I11.1	1889*93	≥1.14
5757101	I11.1	1060*93	I11.1	969*94	≥1.14
634098	I11.1	768*89.5	I11.1	697*90.5	≥1.14
905045	I11.1	1336*36	I11.1	1248*37.5	≥1.14
105673	I11.1	1665*64	I11.1	1566*65.5	≥1.14
904550	I11.1	1151*41	I11.1	1071*42.5	≥1.14
9065115	I11.1	1759*105	I11.1	1649*107	≥1.14
956090	I11.1	1743*82	I11.1	1629*83.5	≥1.14
655063	I11.1	1021*55.5	I11.1	937*56.5	≥1.14
706090	I11.1	1283*81.5	I11.1	1183*83	≥1.14
6060100	I11.1	1065*92.5	I11.1	966*93.5	≥1.14
805080	I11.1	1152*72	I11.1	1066*73.5	≥1.14
105573	I11.1	1583*65	I11.1	1485*66.5	≥1.14
105080	I11.1	1409*71	I11.1	1333*72.5	≥1.14
<b>114273</b>	<b>I11.1</b>	<b>1357±10*65.5±0.5</b>	<b>I11.1</b>	<b>1280±10*66.5±0.5</b>	<b>1.11~1.14</b>
<b>656583P</b>	<b>I11.1</b>	<b>1278±10*76±0.5</b>	<b>I11.1</b>	<b>1173±10*77±0.5</b>	<b>1.11~1.14</b>
<b>924093</b>	<b>I11.1</b>	<b>1085±10*85.5±0.5</b>	<b>I11.1</b>	<b>1011±10*86.5±0.5</b>	<b>1.11~1.14</b>
<b>955565</b>	<b>I11.1</b>	<b>1588±10*57.5±0.5</b>	<b>I11.1</b>	<b>1492±10*58.5±0.5</b>	<b>1.11~1.14</b>
<b>955570</b>	<b>I11.1</b>	<b>1524±10*62.5±0.5</b>	<b>I11.1</b>	<b>1429±10*63.5±0.5</b>	<b>1.11~1.14</b>
<b>5758102</b>	<b>I11.1</b>	<b>1061±10*93±0.5</b>	<b>I11.1</b>	<b>966±10*94±0.5</b>	<b>1.11~1.14</b>

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
--					
1055125	I11.1	1675±10*117±0.5	I11.1	1579±10*118.5±0.5	1.11~1.14
1158115	I11.1	1760±10*106.5±0.5	I11.1	1658±10*108±0.5	1.11~1.14
1160100P	I11.1	1956±10*92±0.5	I11.1	1845±10*93.5±0.5	1.11~1.14
1165113	I11.1	2053±10*104±0.5	I11.1	1942±10*105.5±0.5	1.11~1.14
1165110	I11.1	2025±10*101±0.5	I11.1	1912±10*102.5±0.5	1.11~1.14
1260100P	I11.1	2115±10*91.5±0.5	I11.1	2009±10*93±0.5	1.11~1.14
8870129	I11.1	1767±10*120±0.5	I11.1	1651±10*121.5±0.5	1.11~1.14
9265115	I11.1	1760±10*105±0.5	I11.1	1649±10*107±0.5	1.11~1.14
9373129	I11.1	1982±10*120.5±0.5	I11.1	1859±10*122±0.5	1.11~1.14
<b>105673P</b>	<b>I11.1</b>	<b>1717±10*64.5±0.5</b>	<b>I11.1</b>	<b>1619±10*66±0.5</b>	<b>1.11~1.14</b>
<b>626090P</b>	<b>I11.1</b>	<b>1180±10*82.5±0.5</b>	<b>I11.1</b>	<b>1082±10*83.5±0.5</b>	<b>1.11~1.14</b>
<b>1260113</b>	<b>I11.1</b>	<b>2099±10*104±0.5</b>	<b>I11.1</b>	<b>1993±10*105.5±0.5</b>	<b>1.11~1.14</b>
<b>1148118</b>	<b>I11.1</b>	<b>1439±10*109.5±0.5</b>	<b>I11.1</b>	<b>1352±10*111±0.5</b>	<b>1.11~1.14</b>
<b>5560100P</b>	<b>I11.1</b>	<b>1127±10*92.5±0.5</b>	<b>I11.1</b>	<b>1028±10*93.5±0.5</b>	<b>1.11~1.14</b>
<b>5565110</b>	<b>I11.1</b>	<b>1029±10*101.5±0.5</b>	<b>I11.1</b>	<b>926±10*102.5±0.5</b>	<b>1.11~1.14</b>
<b>6348113P</b>	<b>I11.1</b>	<b>961±10*104.5±0.5</b>	<b>I11.1</b>	<b>882±10*104.5±0.5</b>	<b>1.11~1.14</b>
<b>9060100P</b>	<b>I11.1</b>	<b>1621±10*92±0.5</b>	<b>I11.1</b>	<b>1518±10*93.5±0.5</b>	<b>1.11~1.14</b>
<b>103450</b>	<b>I11.1</b>	<b>935±10*41.5±0.5</b>	<b>I11.1</b>	<b>872±10*42.5±0.5</b>	<b>1.11~1.14</b>
<b>5494130</b>	<b>I11.1</b>	<b>1503±10*121±0.5</b>	<b>I11.1</b>	<b>1353±10*122.5±0.5</b>	<b>1.11~1.14</b>
<b>1160110</b>	<b>I11.1</b>	<b>1944±10*101±0.5</b>	<b>I11.1</b>	<b>1841±10*102.5±0.5</b>	<b>1.11~1.14</b>
<b>1260110</b>	<b>I11.1</b>	<b>2105±10*101±0.5</b>	<b>I11.1</b>	<b>2001±10*102.5±0.5</b>	<b>1.11~1.14</b>
<b>7566121</b>	<b>I11.1</b>	<b>1483±10*112±0.5</b>	<b>I11.1</b>	<b>1376±10*113.5±0.5</b>	<b>1.11~1.14</b>
<b>7565121P</b>	<b>I11.1</b>	<b>1481±10*112±0.5</b>	<b>I11.1</b>	<b>1374±10*113.5±0.5</b>	<b>1.11~1.14</b>
<b>9170129</b>	<b>I11.1</b>	<b>1902±10*120±0.5</b>	<b>I11.1</b>	<b>1787±10*121.5±0.5</b>	<b>1.11~1.14</b>

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
103450P	I11.1	969±10*41.5±0.5	I11.1	906±10*42.5±0.5	1.11~1.14
954292P	I11.1	1099±10*83.5±0.5	I11.1	1024±10*84.5±0.5	1.11~1.14
955565P	I11.1	1530±10*57.5±0.5	I11.1	1433±10*58.5±0.5	1.11~1.14
905472	I11.1	1503±10*64±0.5	I11.1	1408±10*65.5±0.5	1.11~1.14
105568	I11.1	1573±10*59±0.5	I11.1	1475±10*60.5±0.5	1.11~1.14
954292	I11.1	1179±10*83.5±0.5	I11.1	1102±10*84.5±0.5	1.11~1.14
5565113	I11.1	1078±10*105±0.5	I11.1	974±10*106±0.5	1.11~1.14
7065112	I11.1	1338±10*103±0.5	I11.1	1234±10*104.5±0.5	1.11~1.14
7565113	I11.1	1461±10*104±0.5	I11.1	1356±10*105.5±0.5	1.11~1.14
1147126	I11.1	1452±10*117±0.5	I11.1	1369±10*118.5±0.5	1.11~1.14
8961118	I11.1	1585±10*109±0.5	I11.1	1480±10*110.5±0.5	1.11~1.14
1066121	I11.1	1791±10*112±0.5	I11.1	1861±10*113.5±0.5	1.11~1.14
1166110	I11.1	2030±10*101±0.5	I11.1	1917±10*102.5±0.5	1.11~1.14
1060110	I11.1	1731±10*101±0.5	I11.1	1631±10*102.5±0.5	1.11~1.14
8873129	I11.1	1926±10*120±0.5	I11.1	1806±10*121.5±0.5	1.11~1.14
<b>755590</b>	<b>I11.5</b>	<b>1274*81</b>	<b>I11.5</b>	<b>1186*82.5</b>	<b>≥1.08</b>
<b>115570</b>	<b>I11.5</b>	<b>1779*61</b>	<b>I11.5</b>	<b>1680*62.5</b>	<b>≥1.08</b>
<b>816073</b>	<b>I11.5</b>	<b>1454*64.5</b>	<b>I11.5</b>	<b>1353*65.5</b>	<b>≥1.08</b>
<b>745588</b>	<b>I11.5</b>	<b>1177*79.5</b>	<b>I11.5</b>	<b>1085*80.5</b>	<b>≥1.08</b>
<b>124065</b>	<b>I11.5</b>	<b>1328*56.5</b>	<b>I11.5</b>	<b>1251*57.5</b>	<b>≥1.08</b>
<b>635486</b>	<b>I11.5</b>	<b>1057*77.5</b>	<b>I11.5</b>	<b>968*78.5</b>	<b>≥1.08</b>
<b>974058</b>	<b>I11.5</b>	<b>1159*49.5</b>	<b>I11.5</b>	<b>1085*50.5</b>	<b>≥1.08</b>
<b>103665</b>	<b>I11.5</b>	<b>1030*56.5</b>	<b>I11.5</b>	<b>963*57.5</b>	<b>≥1.08</b>
<b>655063P</b>	<b>I11.5</b>	<b>1024*55.0</b>	<b>I11.5</b>	<b>943*56.0</b>	<b>≥1.08</b>
<b>755060</b>	<b>I11.5</b>	<b>1158*51.5</b>	<b>I11.5</b>	<b>1073*52.5</b>	<b>≥1.08</b>
<b>903659</b>	<b>I11.5</b>	<b>937*50.5</b>	<b>I11.5</b>	<b>872*51.5</b>	<b>≥1.08</b>
<b>104050</b>	<b>I11.5</b>	<b>1153*41.5</b>	<b>I11.5</b>	<b>1079*42.5</b>	<b>≥1.08</b>
<b>505060</b>	<b>I11.5</b>	<b>787*51.5</b>	<b>I11.5</b>	<b>706*52.5</b>	<b>≥1.08</b>
<b>804050</b>	<b>I11.5</b>	<b>946*41.5</b>	<b>I11.5</b>	<b>877.42.5</b>	<b>≥1.08</b>
<b>454261</b>	<b>I11.5</b>	<b>579*52.5</b>	<b>I11.5</b>	<b>514*53.5</b>	<b>≥1.08</b>

(continuous)

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
--					
103040	I11.7	768±10*31.5±0.5	I11.7	710±10*32.5±0.5	1.14-1.18
103040P	I11.7	837±10*31.5±0.5	I11.7	780±10*32.5±0.5	1.14-1.18
803450	I11.7	759±10*41.5±0.5	I11.7	698±10*42.5±0.5	1.14-1.18
515777	I11.7	900±10*68±0.5	I11.7	809±10*69.5±0.5	1.14-1.18
735590	I11.7	1172±10*81.5±0.5	I11.7	1083±10*82.5±0.5	1.14-1.18
1260110P	I11.7	2068±10*100.0±0.5	I11.7	1958±10*102.0±0.5	1.14-1.18
785767	I11.7	1432±10*58.5±0.5	I11.7	1341±10*59.5±0.5	1.14-1.18
106168	I11.7	1819±10*59.5±0.5	I11.7	1718±10*60.5±0.5	1.09-1.13
105570	I11.7	1631±10*61.5±0.5	I11.7	1538±10*62.5±0.5	1.09-1.13
654060	I11.7	802±10*52±0.5	I11.7	733±10*53±0.5	1.14-1.18
6564130	I11.7	1405±10*121±0.5	I11.7	1300±10*122.5±0.5	1.18-1.22
1064130	I11.7	2060±10*121±0.5	I11.7	1941±10*122.5±0.5	1.18-1.22
126280	I11.7	2260±10*71.5±0.5	I11.7	2146±10*73.0±0.5	1.13-1.18
146074	I11.7	2570±10*65.5±0.5	I11.7	2460±10*67.0±0.5	1.13-1.18
1264130	I11.7	2408±10*121±0.5	I11.7	2295±10*122.5±0.5	1.18-1.22

(continuous)

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
--	Drawing No.	Dimensions, mm, L*W*T	Drawin g No.	Dimensions, mm, L*W*T	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
955565- 5000mAh	I11.9	1620±10*57.5±0.5*0.1 29±0.05	I11.9	1510±10*58.5±0.5*0.138 ±0.05	1.14-1.18
105570- 5000mAh	I11.9	1641±10*59.5±0.5*0.1 31±0.05	I11.9	1538±10*60.5±0.5*0.138 ±0.05	1.14-1.18
114371- 4000mAh	I11.9	1319±10*62.5±0.5*0.1 32±0.05	I11.9	1252±10*63.5±0.5*0.127 ±0.05	1.14-1.18
115555	I11.9	1748±10*47±0.5*0.115 ±0.05	I11.9	1650±10*48±0.5*0.141±0 .05	1.14-1.18
706075	I11.9	1342±10*66.5±0.5*0.1 15±0.05	I11.9	1249±10*67.5±0.5*0.137 ±0.05	1.14-1.18
785767- 5000mAh	I11.9	1430±10*58.5±0.5*0.1 16±0.05	I11.9	1336±10*59.5±0.5*0.138 ±0.05	1.14-1.18
105555	I11.9	1748±10*47±0.5*0.115 ±0.05	I11.9	1650±10*48±0.5*0.141±0 .05	1.14-1.18
645464	I11.9	1157±10*56.5±0.5*0.1 21±0.05	I11.9	1069±10*57.5±0.5*0.145 ±0.05	1.14-1.18
114371- 4500mAh	I11.9	1332±10*62.5±0.5*0.1 12±0.05	I11.9	1259±10*63.5±0.5*0.136 ±0.05	1.14-1.18
114371- 5000mAh	I11.9	1357±10*62.5±0.5*0.1 16±0.05	I11.9	1287±10*63.5±0.5*0.138 ±0.05	1.14-1.18
115570- 5000mAh	I11.9	1795±10*61.5±0.5*0.1 46±0.05	I11.9	1688±10*62.5±0.5*0.122 ±0.05	1.14-1.18
9373129- 10000mAh	I11.9	2069±10*120.0±0.5*0. 162±0.05	I11.9	1929±10*121.5±0.5*0.10 9±0.05	1.14-1.18
1260110- 10000mAh	I11.9	2070±10*101.0±0.5*0. 155±0.05	I11.9	1952±10*102.5±0.5*0.12 7±0.05	1.14-1.18
1260110- 9500mAh	I11.9	2192±10*101.0±0.5*0. 156±0.05	I11.9	2069±10*102.5±0.5*0.10 9±0.05	1.14-1.18
1260110- 9000mAh	I11.9	2235±10*101.0±0.5*0. 168±0.05	I11.9	2134±10*102.5±0.5*0.10 1±0.05	1.14-1.18
126280- 10000mAh	I11.10	2511±10*71.5±0.5*0.1 08±0.05	I11.10	2392±10*73.0±0.5*0.132 ±0.05	1.11~1.15
456085	I11.10	913±10*78.0±0.5*0.12 2±0.05	I11.10	802±10*79.0±0.5*0.131 ±0.05	1.11~1.15
7565115	I11.10	1547±10*106±0.5*0.12 3±0.05	I11.10	1426±10*107.5±0.5*0.13 1±0.05	1.11~1.15
146074- 10000mAh	I11.10	2693±10*65.5±0.5*0.1 10±0.05	I11.10	2583±10*67.0±0.5*0.134 ±0.05	1.11~1.15
906085	I11.10	1755±10*76.0±0.5*0.1 17±0.05	I11.10	1636±10*77.5± 0.5*0.131±0.05	1.11~1.15
676074	I11.10	1421±10*66.0±0.5*0.1 06±0.05	I11.10	1310±10*67.0±0.5*0.131 ±0.05	1.11~1.15
626280	I11.10	1357±10*71.5±0.5*0.1 05±0.05	I11.10	1252±10*72.5±0.5*0.131 ±0.05	1.11~1.15

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
--	Drawing No.	Dimensions, mm, L*W*T	Drawin g No.	Dimensions, mm, L*W*T	(Ah <sub>NE</sub> /Ah <sub>PE</sub> )
676076	I11.10	1425±10*67.5±0.5*0.1 16±0.05	I11.10	1319±10*68.5±0.5*0.128 ±0.05	1.11~1.15
546381	I11.10	1136±10*73.5±0.5*0.1 22±0.05	I11.10	1032±10*74.5±0.5*0.131 ±0.05	1.11~1.15
466592	I11.10	1063±10*85.0±0.5*0.1 18±0.05	I11.10	937±10*86.0±0.5*0.124 ±0.05	1.11~1.15
606080	I11.10	1198±10*71.5±0.5*0.1 20±0.05	I11.10	10925±10*72.5±0.5*0.12 7±0.05	1.11~1.15
795765	I11.10	1509±10*56.5±0.5*0.1 16±0.05	I11.10	1401±10*57.5±0.5*0.130 ±0.05	1.11~1.15
6060100 - 5000mAh	I11.10	1209±10*92.5±0.5	I11.10	1103±10*93.5±0.5	1.11~1.15
105568- 4000mAh	I11.10	1573±10*59±0.5*0.170 ±0.05	I11.10	1480±10*60.5±0.5*0.114 ±0.05	1.11~1.15
113475	I11.10	1053±10*66.5±0.5*0.1 54±0.05	I11.10	987±10*67.5±0.5*0.115 ±0.05	1.11~1.15

3. Current Collectors - At the positive electrode consists of: Al  
At the negative electrode consists of: Cu
4. Separator - Unlisted Component Separator constructed as noted below.  
The separator is sized to extend beyond the electrodes as noted below  
for reliable insulation.

Cell Model	Separator Mfg.	Type Designation	Report Reference (Unlisted Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Length	Width	--
1160100	Shenzhen KHY electronics co., ltd	16um	MH62637	*2018-06-16	3820	96.5	≥ 10
606090		12um			3820	96.5	≥ 10
505573		12um			1584	68.5	≥ 10
5560100		12um			2076	96	≥ 10
5564113		16um			1970	109	≥ 10
126090		16um			3814	85.5	≥ 10
656090		12um			2184	86	≥ 10
7565121		16um			2566	116.5	≥ 10
9060100		16um			3056	96	≥ 10
906090		16um			2938	86	≥ 10
7865110		12um			2923	105.5	≥ 10
6348113		12um			1786	108	≥ 10
626090		12um			2184	86	≥ 10
546691		12um			2028	87	≥ 10
1042100		20um			2306	95	≥ 10
656583		12um			2492	78.5	≥ 10
1260100		16um			3798	96	≥ 10
5757101		12um			1958	96.5	≥ 10
634098		12um			1414	93	≥ 10
905045		16um			2516	40	≥ 10
105673		16um			3152	68.5	≥ 10
904550		16um			2162	45	≥ 10
9065115		16um			3318	110	≥ 10
956090		16um			3278	86	≥ 10
655063		12um			1894	59	≥ 10
706090		12um			2386	85.5	≥ 10
6060100		12um			1952	96	≥ 10
805080		12um			2152	76	≥ 10
105573		16um			2990	69	≥ 10
105080		16um			2686	75	≥ 10



Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Length	Width	--
114273	SHENZHEN DING TAIXIANG NEW ENERGY TECHNOLOGY CO., LTD	14um (±2)	MH6263 7	2018- 06-16	2488±20	79.5±0.5	≥0.5
656583P		12um (±2)			2109±20	89±0.5	≥0.5
924093		14um (±2)			3101±20	61±0.5	≥0.5
955565		14um (±2)			2974±20	66±0.5	≥0.5
955570		14um (±2)			3273±20	121±0.5	≥0.5
5758102		12um (±2)			2059±20	96.5±0.5	≥0.5
1055125		16um (±2)			3273±20	121±0.5	≥0.5
1158115		16um (±2)			3434±20	110.5±0.5	≥0.5
1160100P		16um (±2)			3814±20	96.5±0.5	≥0.5
1165113		16um (±2)			4017±20	108±0.5	≥0.5
1166110		16um (±2)			3959±20	105±0.5	≥0.5
1260100P		16um (±2)			4140±20	96±0.5	≥0.5
8870129		16um (±2)			3449±20	124±0.5	≥0.5
9265115		16um (±2)			3434±20	110±0.5	≥0.5
9373129		16um (±2)			3870±20	124.5±0.5	≥0.5
105673P	SHENZHEN DING TAIXIANG NEW ENERGY TECHNOLOGY CO., LTD	14um (±2)	MH6263 7	2018- 06-16	3355±20	68.5±0.5	≥0.5
626090P		12um (±2)			2297±20	86±0.5	≥0.5
1260113		16um (±2)			4110±20	108.2±0.5	≥0.5
1148118		16um (±2)			2803±20	113.5±0.5	≥0.5
5560100P		12um (±2)			2190±20	90±0.5	≥0.5
5565110		14um (±2)			2121±20	105.5±0.5	≥0.5
6348113P		12um (±2)			1871±20	108±0.5	≥0.5
9060100P		16um (±2)			3163±20	96±0.5	≥0.5
103450		14um (±2)			1817±20	45±0.5	≥0.5
5494130		16um (±2)			2907±20	125±0.5	≥0.5
1160110		16um (±2)			3805±20	105±0.5	≥0.5
1260110		16um (±2)			4123±20	105±0.5	≥0.5
7566121		16um (±2)			2895±20	116±0.5	≥0.5
7565121P		16um (±2)			2889±20	116±0.5	≥0.5
9170129		16um (±2)			3720±20	124±0.5	≥0.5

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Length	Width	--
103450P	SHENZHEN DING TAIXIANG NEW ENERGY TECHNOLOGY CO., LTD	16um (±2)	MH6263 7	2018-06-16	1885±20	45±0.5	≥0.5
954292P		16um (±2)			2137±20	87±0.5	≥0.5
955565P		16um (±2)			2982±20	61±0.5	≥0.5
905472		14um (±2)			2930±20	68±0.5	≥0.5
105568		14um (±2)			3065±20	63±0.5	≥0.5
954292		14um (±2)			2294±20	87±0.5	≥0.5
5565113		14um (±2)			2090±20	108.5±0.5	≥0.5
7065112		16um (±2)			2609±20	107±0.5	≥0.5
7565113		16um (±2)			2852±20	108±0.5	≥0.5
1147126		16um (±2)			2835±20	121±0.5	≥0.5
8961118		16um (±2)			3089±20	113±0.5	≥0.5
1066121		16um (±2)			3859±20	116±0.5	≥0.5
1166110		16um (±2)			3969±20	105±0.5	≥0.5
1060110		16um (±2)			3387±20	105±0.5	≥0.5
8873129		16um (±2)			3766±20	124±0.5	≥0.5
755590	Qingdao Lanketu Membrane Material Co., Ltd.	ND14	MH6263 7	2018-06-16	2492±30	85±0.5	≥1.0
115570		ND16			3472±30	65±0.5	≥1.0
816073		ND16			2834±30	68±0.5	≥1.0
745588		ND16			2290±30	83±0.5	≥1.0
124065		ND16			2584±30	60±0.5	≥1.0
635486		ND16			2056±30	81±0.5	≥1.0
974058		ND14			2256±30	53±0.5	≥1.0
103665		ND16			2003±30	60±0.5	≥1.0
655063P		ND14			1998±30	58.5±0.5	≥1.0
755060		ND14			2256±30	55±0.5	≥1.0
903659		ND14			1823±30	54±0.5	≥1.0
104050		ND14			2243±30	45±0.5	≥1.0
505060		ND14			1556±30	55±0.5	≥1.0
804050		ND16			1843±30	45±0.5	≥1.0
454261		ND14			1128±30	56±0.5	≥1.0

(continuous)

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Length	Width	--
103040	SHENZHEN DING TAI XIANG NEW ENERGY TECHNOLOGY CO., LTD	16±2	MH6263 7	2018-06-16	1507±30	35±0.5	≥0.5
103040P		16±2			1645±30	35±0.5	≥0.5
803450		16±2			1493±30	45±0.5	≥0.5
515777		14±2			1758±30	72±0.5	≥0.5
735590		16±2			2290±30	85±0.5	≥0.5
1260110P		16±2			4010±30	105±0.5	≥0.5
785767		14±2			2807±30	62±0.5	≥0.5
106168		14±2			3591±30	63±0.5	≥0.5
105570		14±2			3219±30	65±0.5	≥0.5
654060		16±2			1578±30	55.5±0.5	≥0.5
6564130		16±2			2700±30	125.0±0.5	≥0.5
1064130		16±2			3980±30	125.0±0.5	≥0.5
126280		16±2			4385±30	75.5±0.5	≥0.5
146074		16±2			5000±30	69.5±0.5	≥0.5
1264130		16±2			4660±30	125.0±0.5	≥0.5

(continuous)

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Length	Width	--
955565-5000mAh	SHENZHEN DING TAIXIANG NEW ENERGY TECHNOLOGY CO., LTD	14±2	MH6263 7	2018-06-16	3175±30	61.0±0.5	≥0.5
105570-5000mAh		16±2			3222±30	63.0±0.5	≥0.5
114371-4000mAh		16±2			2611±30	66.0±0.5	≥0.5
115555		14±2			3447±30	50.5±0.5	≥0.5
706075		14±2			2631±30	70.0±0.5	≥0.5
785767-5000mAh		14±2			2793±30	62.0±0.5	≥0.5
105555		14±2			3447±30	50.5±0.5	≥0.5
645464		14±2			2269±30	60.0±0.5	≥0.5
114371-4500mAh		14±2			2626±30	66.0±0.5	≥0.5
114371-5000mAh		14±2			2656±30	66.0±0.5	≥0.5
115570-5000mAh		16±2			3530±30	65.0±0.5	≥0.5
9373129-10000mAh		16±2			4028±30	124.0±0.5	≥0.5
1260110-10000mAh		16±2			4057±30	105.0±0.5	≥0.5
1260110-9500mAh		16±2			4304±30	105.0±0.5	≥0.5
1260110-9000mAh		16±2			4376±30	105.0±0.5	≥0.5
126280-10000mAh	SHENZHEN DING TAIXIANG NEW ENERGY TECHNOLOGY CO., LTD	14±2	MH6263 7	2018-06-16	4924±20	75.5±0.5	≥0.5
456085		12±2			1787±20	81.5±0.5	≥0.5
7565115		14±2			3020±20	110±0.5	≥0.5
146074-10000mAh		14±2			5181±20	69.5±0.5	≥0.5
906085		14±2			3441±20	80±0.5	≥0.5
676074		12±2			2793±20	69.5±0.5	≥0.5
626280		12±2			2560±20	75±0.5	≥0.5
676076		12±2			2778±20	71±0.5	≥0.5
546381		12±2			2208±20	77±0.5	≥0.5
466592		12±2			2059±20	88.5±0.5	≥0.5
606080		12±2			2299±20	75±0.5	≥0.5
795765		12±2			2969±20	60±0.5	≥0.5
6060100-5000mAh		14±2			2352±20	96±0.5	≥0.5
105568-4000mAh		14±2			3094±20	63±0.5	≥0.5
113475		14±2			2065±20	70±0.5	≥0.5

## 5. Electrolyte - Constructed as noted below.

Cell Model	Generic Composition	Drawing No.
All models expect below	LiPF6+DEC+EC	TR1, Ill.1
515777, 785767, 126280, 146074, 115555, 06075, 785767-5000mAh, 105555, 645464, 114371-500mAh, 114371-5000mAh, <b>126280-10000mAh, 456085, 7565115, 146074-10000mAh, 906085, 676074, 626280, 546381, 466592, 606080, 795765, 6060100-5000mAh, 105568-4000mAh, 113475</b>	LiPF6+DEC+EC+EMC	TR3, Ill.3

## 6. Electrode Tabs - Are constructed as noted below.

Model	Tab Ill Nos. Positive Tab (Al), Negative Tab (Ni), Ill.1
1160100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
606090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
505573	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
5560100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
5564113	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
126090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
656090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
7565121	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
9060100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
906090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
7865110	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
6348113	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
626090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
546691	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1042100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
656583	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1260100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
5757101	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
634098	Positive Tab 4mm*0.1mm Negative Tab 4mm*0.1mm
905045	Positive Tab 4mm*0.1mm Negative Tab 4mm*0.1mm
105673	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
904550	Positive Tab 4mm*0.1mm Negative Tab 4mm*0.1mm
9065115	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
956090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
655063	Positive Tab 4mm*0.1mm Negative Tab 4mm*0.1mm
706090	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
6060100	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
805080	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
105573	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
105080	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
114273, 656583P, 924093, 955565, 955570, 5758102, 1055125, 1158115, 1160100P, 1165113, 1165110, 1260100P, 8870129, 9265115, 9373129	Ill.2

Model	Tab Ill. Nos. Positive Tab (Al), Negative Tab (Ni), Ill.1
105673P, 626090P, 1260113, 1148118, 5560100P, 5565110, 6348113P, 9060100P, 5494130, 1160110, 1260110, 7566121, 7565121P, 9170129	Ill.3
103450	Ill.4
103450P	Positive Tab 3mm*0.1mm Negative Tab 3mm*0.1mm
954292P	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
955565P	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
905472	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
105568	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
954292	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
5565113	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
7065112	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
7565113	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1147126	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
8961118	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1066121	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1166110	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
1060110	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
8873129	Positive Tab 5mm*0.1mm Negative Tab 5mm*0.1mm
755590, 115570, 816073, 745588, 124065, 635486, 974058, 103665, 655063P, 755060, 903659, 104050, 505060, 804050, 454261	Ill.6
<b>103040, 103040P, 803450, 515777, 735590, 1260110P, 785767, 106168, 105570, 654060, 6564130, 1064130, 126280, 146074, 1264130</b>	<b>Ill.8</b>

Model	Tab Ill Nos., mm Width* Length* thickness Positive Tab (Al), Negative Tab (Ni), Ill.9
955565-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
105570-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
114371-4000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
115555	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
706075	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
785767-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
105555	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
645464	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
114371-4500mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
114371-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
115570-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
9373129-10000mAh	Positive Tab: 7*45*0.1 Negative Tab: 7*45*0.1
1260110-10000mAh	Positive Tab: 7*45*0.1 Negative Tab: 7*45*0.1
1260110-9500mAh	Positive Tab: 7*45*0.1 Negative Tab: 7*45*0.1
1260110-9000mAh	Positive Tab: 7*45*0.1 Negative Tab: 7*45*0.1

Model	Tab Ill Nos., mm Width* Length* thickness Positive Tab (Al), Negative Tab (Ni), Ill.10
126280-10000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
456085	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
7565115	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
146074-10000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
906085	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
676074	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
626280	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
676076	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
546381	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
466592	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
606080	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
795765	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
6060100-5000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
105568-4000mAh	Positive Tab: 6*45*0.1 Negative Tab: 6*45*0.1
113475	Positive Tab: 4*45*0.1 Negative Tab: 4*45*0.1



7. Venting Mechanism - Pressure build up within the cells is prevented by a venting mechanism constructed as follows:  
It vents through the heating sealed seam of the cell.

8. Quality Improvement for below cell models refers Ref1, I11.2: 1042100, 805080, 9065115, 9060100, 105673 and 656090, TR.1, I11.3: 103450P, 954292.

Quality Improvement for cells, models 115570: TestRef2-I-1 and 655063P: TestRef2-I-1, TestRef2-I-2.

Quality Improvement for cells, models 126280: TestRef3-I-1.

9. **The maximum discharge current declared by manufacturer for Model 103665 is 2100mA (0.7C<sub>5</sub>). See TestRef4-I-1 for details.**