

File MH48250
Project 11CA04761

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REPORT

On

COMPONENT - Lithium Batteries
(BBCV2)



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DESCRIPTION

PRODUCT COVERED:

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

Model Number	Chemistry	Shape/Type
*All Models	$\text{LiCoO}_2 + 6\text{C} \rightleftharpoons \text{Li}_x\text{C}_6 + \text{Li}_{1-x}\text{CoO}_2$	Prismatic / Polymer

ELECTRICAL RATING:

See also Conditions of Acceptability for charge limit specifications.

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), mAh/Wh
764269	3.7	2550mAh / 9.4Wh
DPC-603443	3.7	800
DPC-3032100	3.7	850
DPC-603193A	3.7	950
DPC-733063	3.7	1000
DPC-603193B	3.7	1200
DPC-3632100	3.7	1200
DPC-702994	3.7	1400
DPC-5528128	3.7	1400
DPC-6332100	3.7	1400
DPC-805053	3.7	1600
DPC-703196	3.7	1600
DPC-6540105	3.7	1800
DPC-6540110	3.7	2200
DPC-5252100	3.7	2200
DPC-458090	3.7	3200

*

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), mAh
DPC-786080	3.7	850
DPC-6064100	3.7	1100
DPC-644658	3.7	1600
DPC-715062	3.7	1800
DPC-80100110	3.7	2600
DPC-459595	3.7	4000
DPC-35108148	3.7	5800
DPC-8065103	3.7	2200
DPC-565583	3.7	2400
DPC-407588	3.7	2900
DPC-417596	3.7	3000
DPC-4570112	3.7	3800
DPC-3876111	3.7	3000
DPC-40111125	3.7	5600
DPC-35113140	3.7	6000
1032100	3.7	950
683086	3.7	2000
3370105	3.7	2700
4070100	3.7	3000
2575130	3.7	3000
40100160	3.7	3600
33100109	3.7	4000
458097	3.7	4000
33111125	3.7	5000
40120105	3.7	6200
40109140	3.7	3500
175983	3.7	5000
125374	3.7	2500

*

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), mAh
3570100A	3.7	2500
3371101	3.7	2700
3570100B	3.7	2800
3570105	3.7	3000
3270110	3.7	3000
387594	3.7	3300
2870150	3.7	3500
2782154	3.7	3800
3695192	3.7	3900
28120105	3.7	4000
3075145	3.7	4000
32105209	3.7	4100
3577156	3.7	5000

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), mAh
103133	3.7	900
3055135	3.7	2200
3055146	3.7	2650
3380102	3.7	2750
794269	3.7	3000
2765148	3.7	3000
3552142	3.7	3500
3565144	3.7	3600
3076142	3.7	3600
3689192	3.7	3650
30107108	3.7	4600
3098152	3.7	5000
575995	3.8	5000
3572164	3.7	5300
3585164	3.7	5800
3365105	3.7	2800
3270105	3.7	3000
3070100	3.7	2400
3065190	3.7	4000
3065165	3.7	3800
30100122	3.7	4200
4073112	3.7	4000
505280	3.7	2400
504045	3.7	950
755796	3.7	5000
904050	3.7	2000
606090	3.7	3000
903558	3.7	2000
329086	3.7	2700
3393104	3.7	4000
2984180	3.7	5000

Model Number	Voltage (Nominal), Vdc	Capacity, (Nominal), mAh
724556	3.7	2000
795590	3.7	5000
545288	3.7	3000
534860	3.7	2000
633960	3.7	1750
604050	3.7	1500
695268	3.7	3000
5465120	3.7	5500
955680	3.7	5000
525680	3.7	3000
625280	3.7	3000
636083	3.7	4000
882543	3.7	1000
454770	3.7	2000
505093	3.7	3000

Model	Upper limit charging voltage	Maximum charging current	Upper temperature limit	Lower temperature limit
	Vdc	mA	°C	°C
DPC-786080	4.25	850	45	10
DPC-6064100	4.25	1100	45	10
DPC-644658	4.25	1600	45	10
DPC-715062	4.25	1800	45	10
DPC-80100110	4.25	2600	45	10
DPC-459595	4.25	4000	45	10
DPC-35108148	4.25	5800	45	10
DPC-8065103	4.25	2200	45	10
DPC-565583	4.25	2400	45	10
DPC-407588	4.25	2900	45	10
DPC-417596	4.25	3000	45	10
DPC-4570112	4.25	3800	45	10
DPC-3876111	4.25	3000	45	10
DPC-40111125	4.25	5600	45	10
DPC-35113140	4.25	6000	45	10
1032100	4.2	950	45	10
683086	4.2	2000	45	10
3370105	4.2	2700	45	10
4070100	4.2	3000	45	10
2575130	4.2	3000	45	10
40100160	4.2	3600	45	10
33100109	4.2	4000	45	10
458097	4.2	4000	45	10
33111125	4.2	5000	45	10
40120105	4.2	6200	45	10
40109140	4.2	3500	45	10
175983	4.2	5000	45	10
125374	4.2	2500	45	10

*

Model	Upper limit charging voltage	Maximum charging current	Upper temperature limit	Lower temperature limit
	Vdc	mA	°C	°C
3365105	4.2	2800	45	10
3270105	4.2	3000	45	10
3070100	4.2	2400	45	10
3065190	4.2	4000	45	10
3065165	4.2	3800	45	10
30100122	4.2	4200	45	10
4073112	4.2	4000	45	10
505280	4.2	2400	45	10
504045	4.2	950	45	10
755796	4.2	5000	45	10
904050	4.2	2000	45	10
903558	4.2	2000	45	10
329086	4.2	2700	45	10
3393104	4.2	4000	45	10
2984180	4.2	5000	45	10

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

USR indicates compliance with the requirements in the UL Standard for Safety for Lithium Batteries, UL 1642, Fifth Edition, Dated March 13, 2012.

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 are intended for use at ordinary temperatures where anticipated high temperature excursions are not expected to exceed 100°C (212°F) or as noted below.

Model	Manufacturer's Maximum Specified Charge and Discharge Temperature, °C
ALL Models	60

Models	Manufacturer Specified Temperature ranges	
3570100A, 3371101, 3570100B 3570105, 3270110, 387594 2870150, 2782154, 3695192 28120105, 3075145, 32105209 3577156, 103133, 3055135, 3055146, 3380102, 794269, 2765148, 3552142, 3565144, 3076142, 3689192, 30107108, 3098152, 3572164, 3585164, 724556, 795590, 545288, 534860 633960, 604050, 695268, 5465120 955680, 525680, 625280, 636083 882543, 454770, 505093	Charging Temperature Range	0~45°C
	Discharging Temperature Range	-20~60°C
	Upper Limit Charging Voltage	4.2V
	Upper charging Temp limit(T3)	45°C
	Lower charging Temp limit(T2)	10°C

575995	Charging Temperature Range	0~45°C
	Discharging Temperature Range	-20~60°C
	Upper Limit Charging Voltage	4.35V
	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. 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
764269	2550	4.25
DPC-603443	800	4.25
DPC-3032100	850	4.25
DPC-603193A	950	4.25
DPC-733063	1000	4.25
DPC-603193B	1200	4.25
DPC-3632100	1200	4.25
DPC-702994	1400	4.25
DPC-5528128	1400	4.25
DPC-6332100	1400	4.25
DPC-805053	1600	4.25

*

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
DPC-703196	1600	4.25
DPC-6540105	1800	4.25
DPC-6540110	2200	4.25
DPC-5252100	2200	4.25
DPC-458090	3200	4.25
DPC-786080	850	4.25
DPC-6064100	1100	4.25
DPC-644658	1600	4.25
DPC-715062	1800	4.25
DPC-80100110	2600	4.25
DPC-459595	4000	4.25
DPC-35108148	5800	4.25
DPC-8065103	2200	4.25
DPC-565583	2400	4.25
DPC-407588	2900	4.25
DPC-417596	3000	4.25
DPC-4570112	3800	4.25
DPC-3876111	3000	4.25
DPC-40111125	5600	4.25
DPC-35113140	6000	4.25

*

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
1032100	950	4.2
683086	2000	4.2
3370105	2700	4.2
4070100	3000	4.2
2575130	3000	4.2
40100160	3600	4.2
33100109	4000	4.2
458097	4000	4.2
33111125	5000	4.2
40120105	6200	4.2
40109140	3500	4.2
175983	5000	4.2
125374	2500	4.2
3570100A	2500	4.2
3371101	2700	4.2
3570100B	2800	4.2
3570105	3000	4.2
3270110	3000	4.2
387594	3300	4.2
2870150	3500	4.2
2782154	3800	4.2
3695192	3900	4.2
28120105	4000	4.2
3075145	4000	4.2
32105209	4100	4.2
3577156	5000	4.2

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
103133	900	4.2
3055135	2200	4.2
3055146	2650	4.2
3380102	2750	4.2
794269	3000	4.2
2765148	3000	4.2
3552142	3500	4.2
3565144	3600	4.2
3076142	3600	4.2
3689192	3650	4.2
30107108	4600	4.2
3098152	5000	4.2
575995	5000	4.35
3572164	5300	4.2
3585164	5800	4.2
3365105	2800	4.2
3270105	3000	4.2
3070100	2400	4.2
3065190	4000	4.2
3065165	3800	4.2
30100122	4200	4.2
4073112	4000	4.2
505280	2400	4.2
504045	950	4.2
755796	5000	4.2
904050	2000	4.2
903558	2000	4.2
329086	2700	4.2
3393104	4000	4.2
2984180	5000	4.2

Model	Maximum Charging Current (Ic), mA	Maximum Charging Voltage (Vc), V dc
724556	1000	4.2
795590	2500	4.2
545288	1500	4.2
534860	1000	4.2
633960	875	4.2
604050	750	4.2
695268	1500	4.2
5465120	2750	4.2
955680	2500	4.2
525680	1500	4.2
625280	1500	4.2
636083	2000	4.2
882543	500	4.2
454770	1000	4.2
505093	1500	4.2

7. Fire and/or explosion resulted when Model 764269, DPC-603443, DPC-3032100, DPC-603193A, DPC-733063, DPC-603193B, DPC-3632100, DPC-702994, DPC-5528128, DPC-6332100, DPC-805053, DPC-703196, DPC-6540105, DPC-6540110, DPC-5252100 and DPC-458090 was subjected to the crush test. This cell shall be provided with a mechanical enclosure that prevents crush 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 to the cells.

Models DPC-702994, DPC-5528128, DPC-6332100, DPC-805053, DPC-703196, DPC-6540105, DPC-6540110, DPC-5252100 and DPC-458090 resulted into fire or explosion when impacted, and hence should be restricted to impact applications. These cells shall be provided with a mechanical enclosure that prevents 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.

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MARKINGS/INSTRUCTIONS:

***The Recognized manufacturer's name, trade name or trademark or other descriptive markings or traceable ID code or File Number "MH48250"; 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. See Section General for details of date code.

Lithium-Ion Polymer Cells - Fig.1

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	Thick-ness			
--	--				--	--	--
764269	Aluminium Laminate Film	69	42	7.6	0.122	Heat Sealing	CPP
DPC-603443		43	34	6	0.122	Heat Sealing	CPP
DPC-3032100		40.5	47	7.2	0.122	Heat Sealing	CPP
DPC-603193A		59	46	5.8	0.122	Heat Sealing	CPP
DPC-733063		59	46	6	0.122	Heat Sealing	CPP
DPC-603193B		59	46	5.8	0.122	Heat Sealing	CPP
DPC-3632100		98	31.5	3.6	0.122	Heat Sealing	CPP
DPC-702994		94	29	7	0.122	Heat Sealing	CPP
DPC-5528128		128	28	5.5	0.122	Heat Sealing	CPP
DPC-6332100		100	32	6.3	0.122	Heat Sealing	CPP
DPC-805053		53	50	7.5	0.122	Heat Sealing	CPP
DPC-703196		59	46	7.2	0.122	Heat Sealing	CPP
DPC-6540105		105	40	6.5	0.122	Heat Sealing	CPP
DPC-6540110		77	54.5	6.2	0.122	Heat Sealing	CPP
DPC-5252100		100	52	5.2	0.122	Heat Sealing	CPP
DPC-458090		90	80	4.5	0.122	Heat Sealing	CPP

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Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thick-ness	--	--	--
DPC-786080	Aluminium Laminate Film	58	40	5.4	0.113	Heat Sealing	PP
DPC-6064100		59	46	5.8	0.113	Heat Sealing	PP
DPC-644658		59	46	6.3	0.113	Heat Sealing	PP
DPC-715062		60	49.5	7.1	0.113	Heat Sealing	PP
DPC-80100110		90	52	7.5	0.113	Heat Sealing	PP
DPC-459595		95	94.5	4.4	0.113	Heat Sealing	PP
DPC-35108148		148	107.5	3.35	0.113	Heat Sealing	PP
DPC-8065103		63	51	7.7	0.113	Heat Sealing	PP
DPC-565583		83	59.5	5.6	0.113	Heat Sealing	PP
DPC-407588		88	75	4	0.113	Heat Sealing	PP
DPC-417596		96	74.5	4.1	0.113	Heat Sealing	PP
DPC-4570112		112	70	4.5	0.113	Heat Sealing	PP
DPC-3876111		109	76.5	3.6	0.113	Heat Sealing	PP
DPC-40111125		123	110.5	3.75	0.113	Heat Sealing	PP
DPC-35113140		138	112.5	3.3	0.113	Heat Sealing	PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
		Length	Width	Thick- ness			
--	--				--	--	--
1032100	Aluminium Laminate Film	88	31	4.6	0.113	Heat Sealing	PP
683086		84	29.7	6.6	0.113	Heat Sealing	PP
3370105		105	70	3.3	0.113	Heat Sealing	PP
4070100		100	70	4	0.113	Heat Sealing	PP
2575130		130	75	2.5	0.113	Heat Sealing	PP
40100160		98	79.5	3.8	0.113	Heat Sealing	PP
33100109		107	99.5	3.1	0.113	Heat Sealing	PP
458097		97	80	4.5	0.113	Heat Sealing	PP
33111125		123	110.5	3.1	0.113	Heat Sealing	PP
40120105		118	104.5	3.8	0.113	Heat Sealing	PP
40109140		107	69.8	3.8	0.113	Heat Sealing	PP
175983		83	59	8.5	0.113	Heat Sealing	PP
125374		74	53	6	0.113	Heat Sealing	PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thick-ness	--	--	--
3570100A	Aluminium Laminate Film	98	69.9	3.35	0.113	Heat Sealing	PP
3371101		99	70.7	3.15	0.113	Heat Sealing	PP
3570100B		98	69.9	3.35	0.113	Heat Sealing	PP
3570105		103	69.9	3.35	0.113	Heat Sealing	PP
3270110		108	69.7	3.05	0.113	Heat Sealing	PP
387594		94	75	3.8	0.113	Heat Sealing	PP
2870150		148	69.7	2.65	0.113	Heat Sealing	PP
2782154		152	80	2.55	0.113	Heat Sealing	PP
3695192		93	95.6	3.4	0.113	Heat Sealing	PP
28120105		118	104.5	2.65	0.113	Heat Sealing	PP
3075145		143	74.7	2.85	0.113	Heat Sealing	PP
32105209		103	104	3	0.113	Heat Sealing	PP
3577156		154	76.9	3.35	0.113	Heat Sealing	PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thick- ness	--	--	--
103133	Aluminium Laminate Film	33	31	10	0.113	Heat Sealing	PP
3055135		130	54.7	2.85	0.113	Heat Sealing	PP
3055146		139	54.7	2.85	0.113	Heat Sealing	PP
3380102		102	80	3.3	0.113	Heat Sealing	PP
794269		69	42	7.9	0.113	Heat Sealing	PP
2765148		146	64.7	2.55	0.113	Heat Sealing	PP
3552142		140	51.7	3.35	0.113	Heat Sealing	PP
3565144		142	64.9	3.35	0.113	Heat Sealing	PP
3076142		140	75.7	2.85	0.113	Heat Sealing	PP
3689192		87	95.6	3.45	0.113	Heat Sealing	PP
30107108		108	107	3.4	0.113	Heat Sealing	PP
3098152		152	98	3.0	0.113	Heat Sealing	PP
575995		95	59	5.7	0.113	Heat Sealing	PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
--	--	Length	Width	Thick-ness	--	--	--
3365105	Aluminium Laminate Film	103	64.7	3.2	0.113	Heat Sealing	PP
3270105		103	69.7	3.05	0.113	Heat Sealing	PP
3070100		98	69.7	2.85	0.113	Heat Sealing	PP
3065190		188	64.7	2.85	0.113	Heat Sealing	PP
3065165		163	64.7	2.85	0.113	Heat Sealing	PP
30100122		120	99.7	2.85	0.113	Heat Sealing	PP
4073112		110	72.9	3.85	0.113	Heat Sealing	PP
505280		77.5	51.7	5.35	0.113	Heat Sealing	PP
504045		43	40.4	4.75	0.113	Heat Sealing	PP
755796		94	56.5	7.3	0.113	Heat Sealing	PP
904050		50	40	9	0.113	Heat Sealing	PP
903558		58	35	9	0.113	Heat Sealing	PP
329086		84	89.7	3.1	0.113	Heat Sealing	PP
3393104		102	93	3.3	0.113	Heat Sealing	PP
2984180		178	83.7	2.8	0.113	Heat Sealing	PP

Model	Case Material	Case Dimensions, mm			Case Matl. Thickness, mm	Method of Sealing	Case Sealing Material
		Length	Width	Thick- ness			
--	--				--	--	--
724556	Aluminium Laminate Film	50	40	8.9	0.113	Heat Sealing	PP
795590		90	55	7.9	0.113	Heat Sealing	PP
545288		88	52	5.4	0.113	Heat Sealing	PP
534860		60	48	5.3	0.113	Heat Sealing	PP
633960		60	39	6.3	0.113	Heat Sealing	PP
604050		50	40	6	0.113	Heat Sealing	PP
695268		68	52	6.9	0.113	Heat Sealing	PP
5465120		120	65	5.4	0.113	Heat Sealing	PP
955680		80	56	9.5	0.113	Heat Sealing	PP
525680		80	56	5.2	0.113	Heat Sealing	PP
625280		80	52	6.2	0.113	Heat Sealing	PP
636083		83	60	6.3	0.113	Heat Sealing	PP
882543		43	25	8.8	0.113	Heat Sealing	PP
454770		70	47	4.5	0.113	Heat Sealing	PP
505093		93	50	5	0.113	Heat Sealing	PP

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

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio (Ah _{NE} /Ah _{PE})
	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	
764269	I11.1	868×59	I11.1	871×60	1.05
DPC-603443	I11.1	544×35.5	I11.1	490×36	0.911/0.834
DPC-3032100	I11.1	930×31.5	I11.1	860×33	1.02/0.94
DPC-603193A	I11.1	704×50	I11.1	636×51.5	1.13/1.04
DPC-733063	I11.1	689×51	I11.1	628×51.5	1.15/1.1
DPC-603193B	I11.1	647×50	I11.1	580×51.5	1.39/1.25
DPC-3632100	I11.1	885×31.5	I11.1	815×33	1.4/1.3
DPC-702994	I11.1	463×86	I11.1	412×87	1.6/1.46
DPC-5528128	I11.1	420×119	I11.1	377×120.5	1.9/1.77
DPC-6332100	I11.1	499×92	I11.1	445×93	1.58/1.46
DPC-805053	I11.1	1047×44	I11.1	976×45	2.25/2.07
DPC-703196	I11.1	554×88	I11.1	501×89	1.85/1.67
DPC-6540105	I11.1	632×96	I11.1	570×97.5	2.05/1.88
DPC-6540110	I11.1	668×100.5	I11.1	606×102	2.5/2.28
DPC-5252100	I11.1	750×91	I11.1	676×92.5	2.5/2.28
DPC-458090	I11.1	1003×78.8	I11.1	906×79.5	3.644/3.326
DPC-786080	I11.1	611×49.5	I11.1	584×50.5	1.075
DPC-6064100	I11.1	754×50	I11.1	678×51.5	1.070
DPC-644658	I11.1	796×50	I11.1	721×51.5	1.103
DPC-715062	I11.1	947×51	I11.1	867×52.5	1.090
DPC-80100110	I11.1	1044×81	I11.1	965×82.5	1.070
DPC-459595	I11.1	1266×86.5	I11.1	1094×88	1.113
DPC-35108148	I11.1	1134×137.5	I11.1	936×139.5	1.100
DPC-8065103	I11.1	1020×54	I11.1	939×55.5	1.095
DPC-565583	I11.1	928×75	I11.1	840×76.5	1.086
DPC-407588	I11.1	920×78	I11.1	787×79.5	1.106
DPC-417596	I11.1	916×87.5	I11.1	783×89	1.111
DPC-4570112	I11.1	925×103	I11.1	801×104.5	1.098
DPC-3876111	I11.1	852×100.5	I11.1	717×102	1.100
DPC-40111125	I11.1	1207×113.5	I11.1	1135×115.5	1.100
DPC-35113140	I11.1	1188×127.5	I11.1	980×129.5	1.100
1032100	I11.1	389*80.5	I11.1	331*81.5	1.068
683086	I11.1	502*76	I11.1	446*77	1.065
3370105	I11.1	653*94.5	I11.1	542*96	1.067
4070100	I11.1	707*88.5	I11.1	594*90	1.066
2575130	I11.1	588*119.5	I11.1	462*121	1.064
40100160	I11.1	811*89.5	I11.1	685*91	1.085
33100109	I11.1	952*98.5	I11.1	798*100	1.088
458097	I11.1	963*86.5	I11.1	836*88	1.086
33111125	I11.1	1099*114	I11.1	1029*115.5	1.06
40120105	I11.1	1213*108.5	I11.1	1049*110.5	1.063
40109140	I11.1	737*99	I11.1	599*100.5	1.054
175983	I11.1	1291*70.5	I11.1	1203*72.5	1.043
125374	I11.1	867*63	I11.1	785*64.5	1.064

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Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio (Ah_{NE}/Ah_{PE})
	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	
3570100A	I11.1	729*90.5	I11.1	593*91.5	1.064
3371101	I11.1	728*91.5	I11.1	621*92.5	1.056
3570100B	I11.1	701*90.5	I11.1	620*91.5	1.064
3570105	I11.1	802*94.5	I11.1	664*96	1.065
3270110	I11.1	650*100.5	I11.1	542*101.5	1.06
387594	I11.1	851*85.5	I11.1	729*87	1.066
2870150	I11.1	653*139	I11.1	548*140.5	1.053
2782154	I11.1	681*143	I11.1	561*144.5	1.065
3695192	I11.1	1003*84.5	I11.1	855*86	1.063
28120105	I11.1	965*109.5	I11.1	836*111	1.066
3075145	I11.1	696*134.5	I11.1	582*135.5	1.074
32105209	I11.1	990*94.5	I11.1	834*96	1.054
3577156	I11.1	806*144.5	I11.1	657*146.5	1.064
103133	I11.1	830*23	I11.1	769*25	1.072
3055135	I11.1	491*122	I11.1	400*123	1.07
3055146	I11.1	491*130.5	I11.1	402*132	1.086
3380102	I11.1	762*93.5	I11.1	633*95	1.07
794269	I11.1	956*61	I11.1	879*62	1.065
2765148	I11.1	525*137	I11.1	444*138.5	1.07
3552142	I11.1	513*128.5	I11.1	426*130	1.066
3565144	I11.1	669*133	I11.1	564*134.5	1.063
3076142	I11.1	710*131.5	I11.1	593*133	1.063
3689192	I11.1	1095*78.5	I11.1	945*80	1.06
30107108	I11.1	1191*99.5	I11.1	1059*101.5	1.088
3098152	I11.1	939*142	I11.1	785*144	1.065
575995	I11.1	1001*87	I11.1	902*88	1.065
3572164	I11.1	734*148.5	I11.1	619*150	1.071
3585164	I11.1	961*150.5	I11.1	809*152.5	1.065

Model No.	Positive Electrode		Negative Electrode		Negative Electrode/ Positive Electrode Capacity ratio
--	Drawing No.	Dimensions, mm	Drawing No.	Dimensions, mm	(AhNE/AhPE)
3365105	I11.1	491*95.5	I11.1	400*96.5	1.07
3270105	I11.1	657*95.5	I11.1	547*96.5	1.07
3070100	I11.1	650*90.5	I11.1	524*91.5	1.065
3065190	I11.1	534*179.5	I11.1	440*181	1.102
3065165	I11.1	595*154.5	I11.1	476*156	1.063
30100122	I11.1	849*111.5	I11.1	698*113	1.087
4073112	I11.1	898*101.5	I11.1	785*103	1.078
505280	I11.1	731*70.5	I11.1	644*71.5	1.07
504045	I11.1	599*36	I11.1	527*37	1.07
755796	I11.1	1192*85	I11.1	1110*86.5	1.07
904050	I11.1	914*41.5	I11.1	838*43	1.08
903558	I11.1	865*45.5	I11.1	802*47	1.087
329086	I11.1	935*76.5	I11.1	800*77.5	1.06
3393104	I11.1	996*94.5	I11.1	825*96	1.075
2984180	I11.1	709*169.5	I11.1	580*171	1.07
724556	I11.1	1027*41.5	I11.1	951*43	1.07
795590	I11.1	1294*81.5	I11.1	1199*83	1.07
545288	I11.1	834*80	I11.1	745*81.5	1.07
534860	I11.1	768*52	I11.1	685*53.5	1.07
633960	I11.1	726*51.5	I11.1	655*53	1.07
604050	I11.1	709*41.5	I11.1	637*43	1.07
695268	I11.1	1026*59.5	I11.1	935*61	1.07
5465120	I11.1	1116*111	I11.1	1008*113	1.07
955680	I11.1	1461*70.5	I11.1	1362*72.5	1.07
525680	I11.1	901*72	I11.1	806*73.5	1.07
625280	I11.1	932*71.5	I11.1	842*73	1.07
636083	I11.1	1138*74.5	I11.1	1037*76	1.07
882543	I11.1	623*35	I11.1	577*36	1.07
454770	I11.1	664*63	I11.1	584*64	1.07
505093	I11.1	802*85	I11.1	717*86.5	1.07

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	Width	Length	--
764269	Celgard	2320	MH48250	2011-04-28	63	1859	3

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Width	Length	--
DPC-603443	JIMITEK ELECTRONICS COMPANY LIMITED	16 um	MH48250	2011-04-28	38	1066	15
DPC-3032100		20 um	MH48250	2011-04-28	35.5	1838	15
DPC-603193A		25 um	MH48250	2011-04-28	54	1387	15
DPC-733063		25 um	MH48250	2011-04-28	53.5	1362	15
DPC-603193B		25 um	MH48250	2011-04-28	54	1271	15
DPC-3632100		20 um	MH48250	2011-04-28	35.5	1750	15
DPC-702994		20 um	MH48250	2011-04-28	89	896	15
DPC-5528128		20 um	MH48250	2011-04-28	122.5	821	15
DPC-6332100		20 um	MH48250	2011-04-28	95	967	15
DPC-805053		20 um	MH48250	2011-04-28	47	2067	15
DPC-703196		20 um	MH48250	2011-04-28	91	1108	15
DPC-6540105		20 um	MH48250	2011-04-28	99.5	1233	15
DPC-6540110		20 um	MH48250	2011-04-28	104	1333	15
DPC-5252100		20 um	MH48250	2011-04-28	94.5	1466	15
DPC-458090		20 um	MH48250	2011-04-28	81.5	1981	15
DPC-786080	JIMITEK ELECTRONICS COMPANY LIMITED	16 um	MH48250	2011-04-28	52.5	1192	15
DPC-6064100		25 um	MH48250	2011-04-28	54	1468	15
DPC-644658		25 um	MH48250	2011-04-28	54	1555	15
DPC-715062		25 um	MH48250	2011-04-28	55	1854	15
DPC-80100110		25 um	MH48250	2011-04-28	85	2050	15
DPC-459595		25 um	MH48250	2011-04-28	90.5	2419	15
DPC-35108148		25 um	MH48250	2011-04-28	143	2124	15
DPC-8065103		20 um	MH48250	2011-04-28	58	2001	15
DPC-565583		20 um	MH48250	2011-04-28	78.5	1818	15
DPC-407588		20 um	MH48250	2011-04-28	81.5	1738	15
DPC-417596		20 um	MH48250	2011-04-28	91.5	1751	15
DPC-4570112		20 um	MH48250	2011-04-28	107.5	1778	15
DPC-3876111		20 um	MH48250	2011-04-28	104.5	1618	15
DPC-40111125		20 um	MH48250	2011-04-28	118.5	2399	15
DPC-35113140		20 um	MH48250	2011-04-28	132.5	2223	15
1032100	JIMITEK ELECTRONICS COMPANY LIMITED	20 um	MH48250	2011-04-28	83.5	751	83.5
683086		12 um	MH48250	0000-00-01	79	979	79
3370105		12 um	MH48250	0000-00-01	98.5	1218	98.5
4070100		20 um	MH48250	2011-04-28	92.5	1358	92.5
2575130		12 um	MH48250	0000-00-01	123.5	1089	123.5
40100160		20 um	MH48250	2011-04-28	93.5	1562	93.5
33100109		16 um	MH48250	2011-04-28	102.5	1763	102.5
458097		20 um	MH48250	2011-04-28	90.5	1867	90.5
33111125		20 um	MH48250	2011-04-28	118	2181	118
40120105		16 um	MH48250	2011-04-28	113.5	2276	113.5
40109140		16 um	MH48250	2011-04-28	102.5	1365	102.5
175983		20 um	MH48250	2011-04-28	75.5	2526	75.5
125374		20 um	MH48250	2011-04-28	67	1675	67

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Width	Length	--
3570100A	SAIDIOU ELECTRONICS COMPANY LIMITED	PE12 um	MH48250	2011-04-28	93.5	1358	>5
3371101		PE12 um	MH48250	2011-04-28	94.5	1376	>5
3570100B		PE12 um	MH48250	2011-04-28	93.5	1358	>5
3570105		PE12 um	MH48250	2011-04-28	98.5	1507	>5
3270110		PE12 um	MH48250	2011-04-28	103.5	1220	>5
387594		PE16 um	MH48250	2011-04-28	89.5	1607	>5
2870150		PE12 um	MH48250	2011-04-28	143.5	1227	>5
2782154		PE12 um	MH48250	2011-04-28	147.5	1263	>5
3695192		PE20 um	MH48250	2011-04-28	88.5	1883	>5
28120105		PE16 um	MH48250	2011-04-28	113.5	1852	>5
3075145		PE16 um	MH48250	2011-04-28	138.5	1305	>5
32105209		PE16 um	MH48250	2011-04-28	98.5	1846	>5
3577156		PE16 um	MH48250	2011-04-28	149.5	1499	>5
103133	SAIDIOU ELECTRONICS COMPANY LIMITED	PE12 um	MH48250	2011-04-28	28	1637	>5
3055135		PE16 um	MH48250	2011-04-28	125.5	952	>5
3055146		PE12 um	MH48250	2011-04-28	134.5	965	>5
3380102		PE12 um	MH48250	2011-04-28	97.5	1434	>5
794269		PE16 um	MH48250	2011-04-28	64	1879	>5
2765148		PE16 um	MH48250	2011-04-28	141.5	1018	>5
3552142		PE12 um	MH48250	2011-04-28	132.5	986	>5
3565144		PE16 um	MH48250	2011-04-28	137.5	1257	>5
3076142		PE12 um	MH48250	2011-04-28	135.5	1321	>5
3689192		PE12 um	MH48250	2011-04-28	82.5	2077	>5
30107108		PE16 um	MH48250	2011-04-28	103.5	2306	>5
3098152		PE16 um	MH48250	2011-04-28	147.5	1761	>5
575995		PE12 um	MH48250	2011-04-28	90	1956	>5
3572164		PE16 um	MH48250	2011-04-28	153.5	1434	>5
3585164		PE12 um	MH48250	2011-04-28	156.5	1846	>5

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Width	Length	--
3365105	SAIDIOU ELECTRONICS COMPANY LIMITED	PE12 um	MH48250	2011-04-28	98.5	1285	>5
3270105		PE12 um	MH48250	2011-04-28	98.5	1252	>5
3070100		PE12 um	MH48250	2011-04-28	93.5	1241	>5
3065190		PE20 um	MH48250	2011-04-28	183.5	1029	>5
3065165		PE12 um	MH48250	2011-04-28	158.5	1157	>5
30100122		PE16 um	MH48250	2011-04-28	115.5	1604	>5
4073112		PE16 um	MH48250	2011-04-28	105.5	1756	>5
505280		PE12 um	MH48250	2011-04-28	73.5	1426	>5
504045		PE12 um	MH48250	2011-04-28	39	1173	>5
755796		PE16 um	MH48250	2011-04-28	89	2382	>5
904050		PE12 um	MH48250	2011-04-28	45	1795	>5
903558		PE12 um	MH48250	2011-04-28	49.5	1712	>5
329086		PE12 um	MH48250	2011-04-28	79.5	1804	>5
3393104		PE16 um	MH48250	2011-04-28	98	1871	>5
2984180		PE16 um	MH48250	2011-04-28	173.5	1343	>5

Cell Model	Separator Mfg.	Type Designation	Report Reference (UnListed Component)		Dimensions, mm		Minimum Extension Beyond Electrodes, mm
--	--	--	File Number	Issue Date	Width	Length	--
724556	SAIDIOU ELECTRONICS COMPANY LIMITED	PE16um	MH48250	2011-04-28	45.5	2028	>5
795590		PE16um	MH48250	2011-04-28	85.5	2570	>5
545288		PE16um	MH48250	2011-04-28	84	1634	>5
534860		PE16um	MH48250	2011-04-28	56	1502	>5
633960		PE16um	MH48250	2011-04-28	55.5	1423	>5
604050		PE16um	MH48250	2011-04-28	45.5	1388	>5
695268		PE16um	MH48250	2011-04-28	63.5	2023	>5
5465120		PE16um	MH48250	2011-04-28	116	2194	>5
955680		PE16um	MH48250	2011-04-28	75.5	2905	>5
525680		PE16um	MH48250	2011-04-28	76	1768	>5
625280		PE16um	MH48250	2011-04-28	75.5	1833	>5
636083		PE16um	MH48250	2011-04-28	78.5	2250	>5
882543		PE16um	MH48250	2011-04-28	38	1258	>5
454770		PE16um	MH48250	2011-04-28	66	1293	>5
505093		PE16um	MH48250	2011-04-28	89	1573	>5

5. Electrolyte - Constructed as noted below.

Cell Model	Generic Composition	Drawing No.
All Models	EC+EMC+LiPF ₆	TR1, I11.1

6. Electrode Tabs - Are constructed as noted below.

Model	Tab Ill Nos.
764269	Ni tab for Anode electrode: approx. 44.25 mm×5 mm×0.1 mm Al tab for Cathode electrode: approx. 52.25 mm×5 mm×0.1 mm
DPC-603443	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-3032100	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-603193A	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-733063	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-603193B	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-3632100	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-702994	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-5528128	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-6332100	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-805053	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-703196	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-6540105	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-6540110	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-5252100	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-458090	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-786080	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-6064100	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-644658	Ni: 39 mm*3 mm*0.1 mm Al: 47 mm*3 mm*0.1 mm
DPC-715062	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-80100110	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-459595	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-35108148	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-8065103	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-565583	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-407588	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-417596	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-4570112	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-3876111	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-40111125	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm
DPC-35113140	Ni: 39 mm*4 mm*0.1 mm Al: 47 mm*4 mm*0.1 mm

cont'd

Model	Tab Ill Nos.	
1032100	Ni:39 mm*3 mm*0.1 mm	Al: 47 mm*3 mm*0.1 mm
683086	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
3370105	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
4070100	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
2575130	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
40100160	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
33100109	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
458097	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
33111125	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
40120105	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
40109140	Ni:39 mm*4 mm*0.1 mm	Al: 47 mm*4 mm*0.1 mm
175983	Ni:39 mm*5 mm*0.1 mm	Al: 47 mm*5 mm*0.1 mm
125374	Ni:39 mm*5 mm*0.1 mm	Al: 47 mm*5 mm*0.1 mm
3570100A	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3371101	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3570100B	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3570105	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3270110	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
387594	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
2870150	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
2782154	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3695192	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
28120105	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3075145	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
32105209	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3577156	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm

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Model	Tab Ill Nos.	
103133	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3055135	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3055146	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3380102	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
794269	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
2765148	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3552142	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3565144	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3076142	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3689192	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
30107108	Ni:44 mm*5 mm*0.1 mm	Al: 52 mm*5 mm*0.1 mm
3098152	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
575995	Ni:44 mm*5 mm*0.1 mm	Al: 52 mm*5 mm*0.1 mm
3572164	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3585164	Ni:44 mm*4 mm*0.1 mm	Al: 52 mm*4 mm*0.1 mm
3365105	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
3270105	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
3070100	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
3065190	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
3065165	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
30100122	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
4073112	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
505280	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
504045	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
755796	Ni:39 mm*5 mm*0.1 mm	Al: 39 mm*5 mm*0.1 mm
904050	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
903558	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
329086	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
3393104	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
2984180	Ni:39 mm*5 mm*0.1 mm	Al: 39 mm*5 mm*0.1 mm

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Model	Tab Ill Nos.	
724556	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
795590	Ni:39 mm*5 mm*0.1 mm	Al: 39 mm*5 mm*0.1 mm
545288	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
534860	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
633960	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
604050	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
695268	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
5465120	Ni:39 mm*5 mm*0.1 mm	Al: 39 mm*5 mm*0.1 mm
955680	Ni:39 mm*5 mm*0.1 mm	Al: 39 mm*5 mm*0.1 mm
525680	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
625280	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
636083	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
882543	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
454770	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm
505093	Ni:39 mm*4 mm*0.1 mm	Al: 39 mm*4 mm*0.1 mm

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