

**Mobile Phone Series Cell List**

Model	Typical Capacity (mAh)	Minimum Capacity (mAh)	Impedence ( $m\Omega$ )	Nominal Voltage (V)	Dimension of Bare cell (mm)			Weight ( $\pm 0.5g$ )
					Thickness ( $\pm 0.2$ )	Width ( $\pm 0.5$ )	Length ( $\pm 0.5$ )	
043048	550	520	$\leq 45$	3.7	3.80	30.0	48.0	12.0
053048	720	700	$\leq 45$	3.7	4.80	30.0	48.0	14.0
063048	820	800	$\leq 45$	3.7	5.80	30.0	48.0	15.0
043040	420	400	$\leq 45$	3.7	3.80	30.0	40.0	11.0
053040	550	530	$\leq 45$	3.7	4.80	30.0	40.0	12.5
323450	550	540	$\leq 45$	3.7	3.00	34.0	50.0	10.5
363450	580	550	$\leq 45$	3.7	3.40	34.0	50.0	11.5
383450	700	650	$\leq 45$	3.7	3.60	34.0	50.0	12.8
423450	720	700	$\leq 45$	3.7	4.00	34.0	50.0	15.0
523450	950	920	$\leq 45$	3.7	5.00	34.0	50.0	18.5
063450	1000	980	$\leq 45$	3.7	5.80	34.0	50.0	20.0
293455	500	480	$\leq 45$	3.7	2.70	34.0	55.0	9.5
343455	650	630	$\leq 45$	3.7	3.20	34.0	55.0	12.5
383455	720	680	$\leq 45$	3.7	3.60	34.0	55.0	14.5
433455	780	760	$\leq 45$	3.7	4.10	34.0	55.0	15.5
533455	1000	980	$\leq 45$	3.7	5.10	34.0	55.0	20.0
323456	600	580	$\leq 45$	3.7	3.00	34.0	56.0	12.0
383456	740	720	$\leq 45$	3.7	3.60	34.0	56.0	14.5
033562	500	470	$\leq 45$	3.7	2.80	35.0	62.0	12.0
323562	700	680	$\leq 45$	3.7	3.00	35.0	62.0	13.5
363562	780	750	$\leq 45$	3.7	3.40	35.0	62.0	15.0
383562	850	800	$\leq 45$	3.7	3.60	35.0	62.0	17.5
473562	1050	1000	$\leq 30$	3.7	4.50	35.0	62.0	20.0
053562	1050	1000	$\leq 45$	3.7	4.80	35.0	62.0	20.0
254060	650	640	$\leq 45$	3.7	2.30	40.0	60.0	12.5
364060	850	820	$\leq 45$	3.7	3.40	40.0	60.0	17.5
384060	950	920	$\leq 45$	3.7	3.60	40.0	60.0	18.5
293459	530	500	$\leq 45$	3.7	2.70	34.0	59.0	11.0
633542	900	880	$\leq 45$	3.7	6.10	35.0	42.0	19.0
043440	450	440	$\leq 45$	3.7	3.80	34.0	40.0	7.5
553436	600	590	$\leq 45$	3.7	5.30	34.0	36.0	9.5
383461	720	700	$\leq 45$	3.7	3.60	34.0	61.0	15.0
483461	1000	950	$\leq 30$	3.7	4.60	34.0	61.0	20.5
374860	1000	980	$\leq 45$	3.7	3.50	48.0	60.0	20.0
433443	620	600	$\leq 45$	3.7	4.10	34.0	43.0	11.5

- Testing conditions: Discharge current 0.2C; End of voltage 2.75V; Temperature 25
- TCL cells have obtained ISO9001 2000, ISO 14001, CE, UL, certification
- The above polymer lithium ion cells can be applied in various 3G/CDMA/GPRS/GPS mobile phones such as Ericsson, Nokia, Motorola, TCL, KONKA, CECT, AUX, ZTE, GIONEE etc.
- The shapes and dimensions can be customized to various requirements.

### Blue Tooth Series Cell List

Model	Typical Capacity (mAh)	Minimum Capacity (mAh)	Impedence ( $m\Omega$ )	Nominal Voltage (V)	Dimension of Bare cell (mm)			Weight ( $\pm 0.5g$ )
					Thickness ( $\pm 0.2$ )	Width ( $\pm 0.5$ )	Length ( $\pm 0.5$ )	
041235	120	100	$\leq 165$	3.7	4.00	12.0	35.0	3.1
481235	145	130	$\leq 160$	3.7	4.60	12.0	35.0	3.5
051235	150	130	$\leq 160$	3.7	5.00	12.0	35.0	3.5
061235	160	140	$\leq 155$	3.7	5.80	12.0	35.0	3.6
351936	160	150	$\leq 150$	3.7	3.30	19.1	36.0	3.5
421936	200	180	$\leq 120$	3.7	4.00	19.1	36.0	4.5
551936	300	280	$\leq 150$	3.7	5.30	19.0	36.0	4.7
252030	90	80	$\leq 200$	3.7	2.40	20.0	30.0	2.0
352030	130	120	$\leq 150$	3.7	3.30	20.0	30.0	3.2
382030	150	130	$\leq 150$	3.7	3.60	20.0	30.0	3.5
042030	170	160	$\leq 150$	3.7	3.80	20.0	30.0	4.0
052030	230	220	$\leq 120$	3.7	4.80	20.0	30.0	4.8
552030	280	260	$\leq 80$	3.7	5.30	20.0	30.0	4.5
042025	120	110	$\leq 150$	3.7	4.00	20.0	25.0	3.0
052025	150	140	$\leq 150$	3.7	5.00	20.0	25.0	4.0
032248	250	240	$\leq 80$	3.7	2.80	24.0	48.0	4.0
042248	380	370	$\leq 120$	3.7	4.00	22.0	48.0	6.5
452248	420	400	$\leq 80$	3.7	4.80	22.0	48.0	5.5
052248	480	470	$\leq 80$	3.7	5.00	22.0	48.0	7.0
052540	400	380	$\leq 80$	3.7	4.80	25.0	40.0	6.5
053028	320	300	$\leq 80$	3.7	4.80	30.0	28.0	5.5
063028	420	400	$\leq 80$	3.7	5.80	30.0	28.0	6.5
582131	330	320	$\leq 150$	3.7	5.60	21.0	31.0	6.5
041630	140	130	$\leq 160$	3.7	3.80	16.0	30.0	3.5
551630	200	190	$\leq 150$	3.7	5.30	16.0	30.0	4.0
041430	115	110	$\leq 180$	3.7	3.80	14.0	30.0	3.2
051430	150	140	$\leq 180$	3.7	4.80	14.0	30.0	4.5
061430	200	190	$\leq 150$	3.7	5.80	14.0	30.0	4.5
042060	420	400	$\leq 150$	3.7	3.80	20.0	60.0	9.0
052036	280	260	$\leq 80$	3.7	4.80	20.0	36.0	4.5
552036	380	350	$\leq 150$	3.7	5.30	20.0	36.0	8.5
551132	140	130	$\leq 200$	3.7	5.30	11.0	32.0	3.5
061752	480	460	$\leq 80$	3.7	4.80	17.0	52.0	7.0
042040	260	250	$\leq 120$	3.7	3.80	20.0	40.0	5.5
051619	100	90	$\leq 200$	3.7	4.80	16.0	19.0	3.5

061146	230	220	≲ 200	3.7	5.80	11.0	46.0	4.5
351747	220	210	≲ 120	3.7	3.20	17.0	47.0	4.5
051547	300	280	≲ 80	3.7	4.80	15.0	47.0	4.5
051246	220	200	≲ 180	3.7	4.80	12.0	46.0	4.5
051232	140	130	≲ 200	3.7	4.80	12.0	32.0	3.5
631119	90	80	≲ 280	3.7	6.10	11.0	19.0	3.0
422235	320	300	≲ 80	3.7	4.00	22.0	35.0	5.0
562447	560	550	≲ 60	3.7	5.40	24.0	47.0	8.5
041420	60	55	≲ 250	3.7	3.80	14.0	20.0	2.5
342430	160	150	≲ 120	3.7	3.20	24.0	30.0	5.0
041250	190	180	≲ 180	3.7	3.80	12.0	50.0	5.5
052668	880	850	≲ 45	3.7	4.80	26.0	68.0	17.5
372548	400	390	≲ 60	3.7	3.50	25.0	48.0	7.5
061948	450	430	≲ 60	3.7	5.80	19.0	48.0	7.5
362432	150	140	≲ 100	3.7	3.40	24.0	32.0	4.5
552730	300	280	≲ 120	3.7	5.30	27.0	30.0	4.5
051647	330	320	≲ 80	3.7	4.80	16.0	47.0	5.0

- Testing conditions: Discharge current 0.2C; End of voltage 2.75V; Temperature 25
- TCL cells have obtained ISO9001 2000, ISO 14001, CE, UL, certification
- The above polymer lithium ion cells can be applied in various blue booth earphones such as Ericsson, Nokia, Motorola and elite.
- The shapes and dimensions can be customized to various requirements.

✚ PDA Series Cell List

Model	Typical Capacity (mAh)	Minimum Capacity (mAh)	Impedence (mΩ)	Nominal Voltage (V)	Dimension of Bare cell (mm)			Weight (±0.5g)
					Thickness (±0.2)	Width (±0.5)	Length (±0.5)	
255585	1100	1050	≤ 30	3.7	2.30	55.0	85.0	22.5
035585	1350	1300	≤ 30	3.7	2.80	55.0	85.0	27.0
485585	2400	2350	≤ 30	3.7	4.60	55.0	85.0	45.0
053759	1100	1080	≤ 30	3.7	4.80	37.0	59.0	21.0
603759	1300	1250	≤ 30	3.7	5.80	37.0	59.0	25.0
423467	950	930	≤ 30	3.7	4.00	34.0	67.0	20.5
053467	1100	1080	≤ 30	3.7	4.80	34.0	67.0	22.5
423480	1000	980	≤ 30	3.7	4.00	34.0	80.0	20.5
053480	1300	1200	≤ 30	3.7	4.80	34.0	80.0	26.0
553480	1650	1600	≤ 30	3.7	5.30	34.0	80.0	31.0
055152	1250	1200	≤ 30	3.7	4.80	51.0	52.0	25.0
065152	1400	1350	≤ 30	3.7	5.80	51.0	52.0	28.0
655152	1650	1600	≤ 30	3.7	6.30	51.0	52.0	31.0
046066	1600	1550	≤ 30	3.7	3.80	60.0	66.0	33.0
056066	2100	2050	≤ 30	3.7	4.80	60.0	66.0	39.0
355280	1500	1450	≤ 30	3.7	3.20	52.0	80.0	31.0
045280	1800	1750	≤ 30	3.7	3.80	52.0	80.0	34.5
055280	2300	2250	≤ 30	3.7	4.80	52.0	80.0	42.0
385068	1350	1300	≤ 30	3.7	3.60	50.0	68.0	27.0
055068	1800	1750	≤ 30	3.7	4.80	50.0	68.0	34.5
055271	1700	1650	≤ 30	3.7	4.80	52.0	71.0	32.0
325085	1400	1350	≤ 30	3.7	3.00	50.0	85.0	28.0
055085	2250	2200	≤ 30	3.7	4.80	50.0	85.0	40.0
387062	1500	1450	≤ 30	3.7	3.60	70.0	62.0	30.0
057062	2300	2250	≤ 30	3.7	4.80	70.0	62.0	42.0
466170	2000	1950	≤ 30	3.7	4.40	61.0	70.0	39.0
063553	1000	980	≤ 30	3.7	5.80	35.0	53.0	20.0
415050	950	920	≤ 30	3.7	3.90	50.0	50.0	19.5
054643	960	950	≤ 30	3.7	4.80	46.0	43.0	18.5

### DVD/Notebook Series Cell List

Model	Typical Capacity (mAh)	Minimum Capacity (mAh)	Impedence (mΩ)	Nominal Voltage (V)	Dimension of Bare cell (mm)			Weight (±0.5g)
					Thickness (±0.2)	Width (±0.5)	Length (±0.5)	
355585	1550	1500	≤ 30	3.7	3.30	55.0	85.0	33.0
425585	2000	1950	≤ 30	3.7	4.00	55.0	85.0	39.0
555585	2600	2500	≤ 30	3.7	5.30	55.0	85.0	53.0
065585	3000	2950	≤ 30	3.7	5.80	55.0	85.0	71.0
655585	3500	3400	≤ 30	3.7	6.30	55.0	85.0	78.0
305590	1450	1400	≤ 30	3.7	2.80	55.0	90.0	28.0
5852146	4400	4200	≤ 20	3.7	5.8	51	145	100
0550100	2500	2400	≤ 30	3.7	5.0	49	99	50.0
5550100	2750	2650	≤ 30	3.7	5.5	49	99	52.0
0548135	3100	3000	≤ 25	3.7	5.0	47	134	71.0
0648135	3850	3700	≤ 25	3.7	6.0	47	134	85.0
0648148	4000	3800	≤ 20	3.7	6.0	47	147	87.0
04100100	4000	3800	≤ 20	3.7	4.0	99	99	94
7548168	6000	5700	≤ 20	3.7	7.5	47	167	97

- Testing conditions: Discharge current 0.2C; End of voltage 2.75V; Temperature 25
- TCL cells have obtained ISO9001 2000, ISO 14001, CE, UL, certification
- The shapes and dimensions can be customized to various requirements.

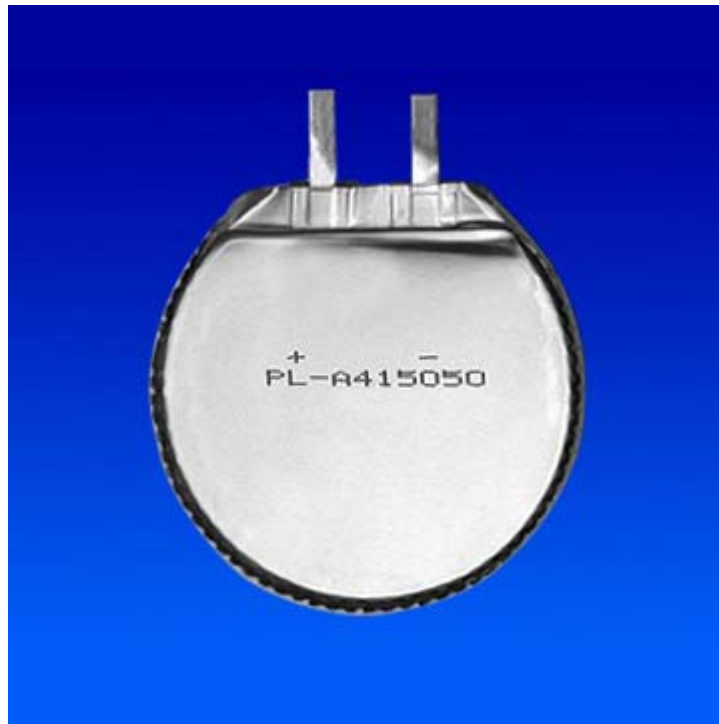
## Abnormity Batteries

### Typical POLION Cell For Abnormity Batteries (1) - PLA423442



<b>Nominal Capacity (1)</b>		550mAh
<b>Nominal Voltage (2)</b>		3.70V
<b>Resistance</b>		$\leq 37\text{m}\Omega$
<b>Charging Voltage (Max.)</b>		4.2 $\pm$ 0.05V
<b>Discharging Current (Max.)</b>		1100mAh
<b>Dimensions (T,W,H) (3)</b>		4.00 $\pm$ 0.2 $\times$ 34.0 $\pm$ 0.5 $\times$ 42.0 $\pm$ 0.5 mm
<b>Cycle Life</b>		>400 cycle
<b>Self-discharge</b>		<8% per month
<b>Operating Temperature Range</b>	<b>Charge</b>	0°C~45°C
	<b>Discharge</b>	-20°C~60°C
	<b>Storage</b>	-20°C~45°C
<b>Energy Density</b>	<b>Volume</b>	320 Wh/L
	<b>Weight</b>	170 Wh/kg
<b>Weight(Approx.) (3)</b>		11.0 $\pm$ 0.5g

✦ Typical POLION Cell For Abnormity Batteries (2) - PL42D5250



<b>Nominal Capacity (1)</b>		720mAh
<b>Nominal Voltage (2)</b>		3.70V
<b>Resistance</b>		$\leq 30\text{m}\Omega$
<b>Charging Voltage (Max.)</b>		4.2±0.05V
<b>Discharging Current (Max.)</b>		1440mAh
<b>Dimensions (T,W,H) (3)</b>		4.0±0.2×52.0±0.5×50.0±0.5 mm
<b>Cycle Life</b>		>400 cycle
<b>Self-discharge</b>		<8% per month
<b>Operating Temperature Range</b>	<b>Charge</b>	0°C~45°C
	<b>Discharge</b>	-20°C~60°C
	<b>Storage</b>	-20°C~45°C
<b>Energy Density</b>	<b>Volume</b>	350 Wh/L
	<b>Weight</b>	175 Wh/kg
<b>Weight(Approx.) (3)</b>		16.5±0.5g

1. Nominal Capacity: Discharge Current 0.2C, End of Voltage 2.75V, Temperature 25°C.
2. Nominal Voltage(Average Discharge Voltage): Discharge Current 0.2C, End of Voltage 2.75V, Temperature 25°C.
3. These Values show the dimensions and weight of the bare battery.



✦ Typical POLION Cell For Abnormity Batteries (3) - PL-A425062



<b>Nominal Capacity (1)</b>		1100mAh
<b>Nominal Voltage (2)</b>		3.70V
<b>Resistance</b>		$\leq 30\text{m}\Omega$
<b>Charging Voltage (Max.)</b>		4.2±0.05V
<b>Discharging Current (Max.)</b>		2200mAh
<b>Dimensions (T,W,H) (3)</b>		4.0±0.2×50.0±0.5×62.0±0.5 mm
<b>Cycle Life</b>		>400 cycle
<b>Self-discharge</b>		<8% per month
<b>Operating Temperature Range</b>	<b>Charge</b>	0°C~45°C
	<b>Discharge</b>	-20°C~60°C
	<b>Storage</b>	-20°C~45°C
<b>Energy Density</b>	<b>Volume</b>	300 Wh/L
	<b>Weight</b>	170 Wh/kg
<b>Weight(Approx.) (3)</b>		23.0±0.5g

## High Rate Discharge Series

### Features

1. 4C~10C Discharge
2. Application: Aeromoodelling, Electronics toys, Electronics tool, Scooter
3. Customized design in thickness
4. Safety and environment friendly

### ✦Main Model Of High Rate Discharge Series

- PL-355585
- PL-425585
- PL-046066
- PL-056066
- PL-042030
- PL-052030
- PL-053048
- PL-063759
- PL-383562

### ✦Typical POLION Cell For High Rate Discharge Series (1) - **PL052540**



Nominal Capacity (1)	400mAh
Nominal Voltage (2)	3.70V

Resistance	≤ 80mΩ	
Charging Voltage (Max.)	4.2±0.05V	
Discharging Current (Max.)	<b>2400mAh</b>	
Dimensions (T,W,H) (3)	4.8 <sub>±0.2</sub> ×25.0 <sub>±0.5</sub> ×40.0 <sub>±0.5</sub> mm	
Cycle Life	>400 cycle	
Self-discharge	<8% per month	
Operating Temperature Range	Charge	0°C~45°C
	Discharge	-20°C~60°C
	Storage	-20°C~45°C
Energy Density	Volume	280 Wh/L
	Weight	160 Wh/kg
Weight(Approx.) (3)	9.0±0.5g	

➡ Typical POLION Cell For High Rate Discharge Series (2) - **PL053562**



Nominal Capacity (1)	1050mAh
Nominal Voltage (2)	3.70V

<b>Resistance</b>	≤ 50mΩ	
<b>Charging Voltage (Max.)</b>	4.2±0.05V	
<b>Discharging Current (Max.)</b>	<b>6300mAh</b>	
<b>Dimensions (T,W,H) (3)</b>	4.8 <sub>±0.2</sub> ×35.0 <sub>±0.5</sub> ×62.0 <sub>±0.5</sub> mm	
<b>Cycle Life</b>	>300 cycle	
<b>Self-discharge</b>	<8% per month	
<b>Operating Temperature Range</b>	<b>Charge</b>	0°C~45°C
	<b>Discharge</b>	-20°C~60°C
	<b>Storage</b>	-20°C~45°C
<b>Energy Density</b>	<b>Volume</b>	280 Wh/L
	<b>Weight</b>	160 Wh/kg
<b>Weight(Approx.) (3)</b>	22.0±0.5g	