



Shenzhen SPK Battery Co., Ltd  
Tel: +86-0755-2678 5495 Fax: +86-0755-2678 5377  
Factory Add: Bldg B, Huaxin Ruiming Industrial Zone, Xinwei, Dalang Village, Longhua Town,  
Bao'an Dist., Shenzhen China  
E-mail: [spk@spkbattery.com](mailto:spk@spkbattery.com) Website: [www.spkbattery.com](http://www.spkbattery.com)

## Company Instruction

Shenzhen SPK Battery Co., Ltd was built in November 2006 and trusted by SIEMENS, CARREFOUR and E.LECLERC. SPK is a company that specializes in the research, manufacturing and marketing of Lithium-ion rechargeable batteries. Shenzhen SPK Battery Factory is located in Shenzhen, Guang Dong Province. There are currently more than 1200 employees operating in SPK Battery, including more than 30% makes up the technical engineering team which consists of experienced electrochemical experts, college graduates, Bachelors and Masters. Same as SPOWERKING Technology which is the professional battery charger and power supply manufacturer, SPK Battery is Branch Company of SPK Group.

Introducing the full set of new equipment in December 2007 and employs recognized experts whom have engaged in researching and developing lithium batteries for more than ten years, amongst them are masters with solid background in technical research and a group of professional and technical personnel who graduated from distinguished institutions of technical colleges, keeping the quality of SPK Batteries can be assured and R&D on the top of the field.

With a professional quality control team, complete detection system as well as the perfect, systemic and scientific operating procedures, SPK Battery focuses much importance to the high quality and safety of our products. We have strengthened quality control systems that are implemented according to the ISO9001:2000 to ensure quality control from the purchasing and inspection of raw materials, in process quality control to outgoing quality control. Therefore, with hard working and determination ISO9001:2000, CE, ROHS, UL and other certification was achieved within the first two years when the company was built.

At present, our product line contains two major series of Li-ion batteries & Li-polymer batteries with hundreds of different models for each series. In addition, OEM&ODM services are also provided according to customers' different demand. Our batteries are used in a wide range of applications such as lamps; power tools, hand-held computers, portable medical device, R/C toys, digital products; portable DVD, wireless communications and other fields. We have established the long-term cooperative relationship with more than 100 clients in both domestic and overseas markets. Furthermore, we are glad to be the OEM&ODM manufacturer of many well-known international brands.

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Working with the brother company SPOWERKING Technology which is the professional battery charger and power supply manufacturer, we can supply one shop power solution to our customers. At SPK, our experts work with suppliers and customers to make sure all criteria are met and that we are delivering the best value and highest performing solution available. SPK Battery has been building its reputation by honesty, outstanding products quality and professional customer service, dedicating itself to providing excellent, safe and green portable power source to global top enterprises in various fields.

*Honesty makes partners and better future...*

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## Cylindrical Lithium-ion Batteries

Mould	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)
				Diameter(±0.05)	Height(±0.5)		
LiCoO <sub>2</sub>	ICR17280AY-600	3.7	600	16.65	27.5	R≤80	12.3
	ICR14430AY-650	3.7	650	13.95	42.5	R≤80	13.3
	ICR17335AY-750	3.7	750	16.65	34.0	R≤80	15.4
	ICR14500AY-800	3.7	800	13.95	48.5	R≤80	16.4
	ICR14650AY-1100	3.7	1100	13.95	64.5	R≤80	22.6
	ICR17500AY-1100	3.7	1100	16.65	48.5	R≤80	22.6
	ICR18490AY-1400	3.7	1400	18.00	64.5	R≤80	28.7
	ICR17650AY-1600	3.7	1600	16.65	64.5	R≤80	32.8
	ICR22430AY-2000	3.7	2000	22.05	42.5	R≤80	41.1
	ICR18650AY-2200	3.7	2200	18.05	64.5	R≤60	45.2
ICR18650AY-2300	3.7	2300	18.05	64.5	R≤60	47.2	
LiCoO <sub>2</sub> &LiCoxNiyMnzO <sub>2</sub>	ICR18650HY-2000	3.7	2000	18.05	64.5	R≤60	41.1
LiCoxNiyMnzO <sub>2</sub>	ICR14500CY-700	3.7	700	13.95	48.5	R≤80	14.3
	ICR14500CP-800	3.7	800	13.95	64.5	R≤80	16.4
	ICR18490CY-1200	3.7	1200	18.00	64.5	R≤80	24.6
	ICR17650CP-1200	3.7	1200	16.65	64.5	R≤20	24.6
	ICR18650CP-1400	3.7	1400	18.05	64.5	R≤20	28.7
	ICR18740CP-1600	3.7	1600	18.00	71.5	R≤20	32.8

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	ICR18650CY-1800	3.7	1800	18.05	64.5	R≤60	37.0
LiCoxNiyMnzO <sub>2</sub> &LiMnO <sub>2</sub>	ICR18490CBY-1000	3.7	1000	18.00	64.5	R≤25	20.5
	ICR18650CBY-1250	3.7	1250	18.05	64.5	R≤20	25.6
LiMnO <sub>2</sub>	ICR18650CBY-1400	3.7	1400	18.05	64.5	R≤60	28.7
LiFePo <sub>4</sub>	ICR17335DY-500	3.2	500	16.65	34.0	R≤80	10.2
	ICR14500DY-500	3.2	500	13.95	48.5	R≤50	10.2
	ICR17650DP-900	3.2	900	16.65	64.5	R≤30	18.5
	ICR18650DP-1100	3.2	1100	18.05	64.5	R≤20	22.6
	ICR18650DY-1300	3.2	1300	18.05	64.5	R≤30	26.7
	ICR22650DP-1500	3.2	1500	22.05	65.0	R≤30	30.8
	ICR22650DP-2400	3.2	2400	26.05	65.5	R≤20	49.3
	ICR22650DY-2800	3.2	2800	26.05	65.5	R≤25	57.5
	ICR32650DP-3800	3.2	3800	32.20	65.5	R≤20	78.1
	ICR32650DY-4000	3.2	4000	32.20	65.5	R≤30	82.2

Remark:

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## Li-polymer Batteries

Mould	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
XX1020	321020AY-30	3.7	30	3.2	10.0	20.0	R≤600	1.0
XX1120	651120AY-80	3.7	80	6.5	11.0	21.0	R≤260	1.5
XX1127	301127AY-45	3.7	45	3.0	11.0	27.0	R≤600	1.5
XX1225	401225AY-80	3.7	80	4.0	12.0	25.0	R≤250	2.0
	601225AY-130	3.7	130	6.0	12.0	25.0	R≤230	2.7
XX1230	401229AY-100	3.7	100	4.0	12.0	29.0	R≤250	2.1
	651230AY-180	3.7	180	6.5	12.0	30.0	R≤200	3.2
XX1234	401234AY-125	3.7	125	4.0	12.0	34.0	R≤250	2.6
XX1239	381239AY-140	3.7	140	3.8	12.0	39.0	R≤250	2.9
XX1323	401323AY-70	3.7	70	3.8	12.5	23.0	R≤300	1.6
XX1326	531326AY-130	3.7	130	5.3	13.0	26.0	R≤250	2.7
XX1417	481417AY-65	3.7	65	4.8	14.0	17.0	R≤450	1.9
	551417AP-75	3.7	75	6.3	14.0	18.0	R≤130	2.0
XX1419	601419AP-85	3.7	85	6.3	14.0	19.0	R≤130	1.8
XX1430	401430AP-90	3.7	90	4.0	14.0	30.0	R≤150	1.9
	501430AP-110	3.7	110	5.0	14.0	30.0	R≤140	2.3
	401430AY-120	3.7	120	4.0	14.0	30.0	R≤230	2.5
XX1455	281455AY-180	3.7	180	2.6	14.0	55.0	R≤170	3.7
XX1647	551647AY-350	3.7	350	5.3	16.0	46.0	R≤100	6.2

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XX1717	651717AP-100	3.7	100	6.5	17.0	17.0	R≤130	2.1
XX1719	681719AP-100	3.7	100	6.6	17.0	19.5	R≤150	3.0
XX1719	701719AP-120	3.7	120	7.0	17.0	19.0	R≤130	3.0
XX1723	401723AY-105	3.7	105	4.0	17.0	23.0	R≤250	2.2
XX1730	501730AY-120	3.7	210	5.0	17.0	30.0	R≤150	4.3
XX1737	961737AY-500	3.7	500	9.6	17.0	36.5	R≤100	9.0
XX1834	351834AY-170	3.7	170	3.5	18.0	34.0	R≤150	3.6
XX1855	701855AP-500	3.7	500	7.0	18.0	34.0	R≤40	12.5
XX2020	602020AP-140	3.7	140	6.1	20.0	20.0	R≤120	3.6
XX2025	402025AY-140	3.7	140	3.8	20.0	25.0	R≤150	2.9
	052025AY-180	3.7	180	4.9	20.0	25.0	R≤150	3.7
XX2028	402028AY-170	3.7	170	4.1	20.0	28.0	R≤190	3.5
XX2030	302030AY-140	3.7	140	2.8	20.0	30.0	R≤200	2.9
	502030AP-180	3.7	180	5.3	20.0	30.0	R≤120	3.7
	402030AY-200	3.7	200	4.0	20.0	30.0	R≤180	4.1
	532030AP-210	3.7	210	5.3	20.0	30.0	R≤100	4.3
	652030AP-250	3.7	250	6.5	20.0	30.0	R≤100	5.1
	602030AY-320	3.7	320	6.0	20.0	30.0	R≤80	6.6
	702030AY-330	3.7	330	7.0	20.0	30.0	R≤80	6.8
XX2299	742299ABY-1350	3.7	1350	7.4	22.0	99.0	R≤50	26.5
XX2535	302535AY-210	3.7	210	2.8	25.0	35.0	R≤150	4.3
XX2540	552540ABY-470	3.7	470	5.5	25.0	40.0	R≤60	9.7
XX2573	102573AY-2000	3.7	2000	9.8	25.0	73.0	R≤60	31.0
XX2633	542633AY-420	3.7	420	5.3	26.0	33.0	R≤60	8.6
XX2649	602649ABY-680	3.7	680	6.0	26.0	49.0	R≤60	14.0
	102649AY-1400	3.7	1400	10.0	26.0	48.5	R≤60	28.8

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XX2699	682699CBY-1550	3.7	1550	6.6	26.0	99.0	R≤60	31.9
XX2740	912740AP-650	3.7	650	8.9	27.0	40.0	R≤60	13.4
XX2839	482839AY-500	3.7	500	4.8	28.0	39.0	R≤60	9.5
XX2868	372868AY-680	3.7	680	3.7	28.0	68.0	R≤60	14.0
XX2990	702990AY-1900	3.7	1900	6.8	29.0	90.0	R≤40	39.1
XX3030	803030AY-680	3.7	680	8.0	30.0	30.0	R≤80	10.5
XX3035	303035AY-260	3.7	260	3.0	30.0	35.0	R≤110	5.3
	403035AY-360	3.7	360	4.0	30.0	35.0	R≤80	7.4
XX3040	303040AY-320	3.7	320	3.0	30.0	40.0	R≤80	7.0
XX3048	043048AY-600	3.7	600	4.0	30.0	48.0	R≤80	12.3
	103048AP-1000	3.7	1000	9.6	30.0	48.0	R≤20	20.6
XX3080	743080CBY-1400	3.7	1400	7.4	30.0	80.0	R≤40	32.0
XX30160	4030160AY-2000	3.7	2000	4.0	30.0	160.0	R≤300	40.0
XX31134	3031134AY-1350	3.7	1350	3.0	31.0	134.0	R≤40	27.8
XX3232	203232AY-200	3.7	200	2.0	32.0	32.0	R≤150	4.1
XX32100	6032100AP-1500	3.7	1500	6.0	32.0	100.0	R≤40	30.8
	6032100ABY-1800	3.7	1800	6.0	32.0	100.0	R≤40	37.0
XX3378	633378AY-1850	3.7	1850	6.3	33.0	78.0	R≤40	38.0
XX3478	523478AY-1420	3.7	1420	5.0	34.0	78.0	R≤40	29.2
XX3434	383434AY-400	3.7	400	3.6	33.5	33.5	R≤150	8.2
XX3435	283435AY-270	3.7	270	2.6	34.0	35.0	R≤150	5.6
XX3441	603441AY-830	3.7	830	6.0	34.0	41.0	R≤50	16.0
XX3443	643443ABY-850	3.7	850	6.4	34.0	43.0	R≤80	17.5
XX3446	603446AY-950	3.7	950	6.0	34.0	46.0	R≤60	19.5
	653446AY-1000	3.7	1000	6.5	34.0	46.0	R≤60	20.6
XX3450	303450AY-550	3.7	550	3.0	34.0	50.0	R≤80	11.3

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	383450AY-650	3.7	650	3.8	34.0	50.0	R≤80	13.4
	103450AY-1700	3.7	1700	10.0	34.0	50.0	R≤40	34.9
XX3457	823457AY-1750	3.7	1750	8.2	34.0	57.0	R≤50	32.0
XX3463	103463BY-1600	3.7	1600	10.0	34.0	63.0	R≤50	39.0
XX3465	603465ABY-1300	3.7	1300	6.0	34.0	65.0	R≤60	26.7
XX3496	573496AP-1600	3.7	1600	5.7	34.0	96.0	R≤20	32.9
XX34135	7034135AY-3800	3.7	3800	7.0	34.0	135.0	R≤40	78.1
XX3562	383562AY-875	3.7	875	3.8	35.0	62.0	R≤60	18.0
XX3548	853648AY-1700	3.7	1700	8.3	36.0	48.0	R≤40	37.9
XX3654	113654AY-2500	3.7	2500	11.0	36.0	54.0	R≤40	51.4
XX3756	483756AY-1100	3.7	1100	4.6	37.0	56.0	R≤60	22.6
XX3757	483757AY-1050	3.7	1050	4.8	37.0	57.0	R≤50	18.0
XX3759	553759AY-1300	3.7	1300	5.5	37.0	59.0	R≤60	26.7
XX3840	323840AY-450	3.7	450	3.0	38.0	40.0	R≤80	9.3
XX3876	503876AY-1700	3.7	1700	4.8	38.0	76.0	R≤60	34.9
XX3880	423880AY-1350	3.7	1350	4.0	38.0	80.0	R≤60	27.8
XX3946	503946ABY-850	3.7	850	5.0	39.0	46.0	R≤80	17.5
XX3956	983956AY-2500	3.7	2500	9.8	39.0	56.0	R≤40	51.4
XX3969	883969AY-2000	3.7	2000	8.6	39.0	69.0	R≤50	39.0
XX4068	424068AY-1200	3.7	1200	4.2	40.0	68.0	R≤60	20.0
XX4070	504070AY-1600	3.7	1600	4.8	40.0	70.0	R≤60	32.9
XX4147	474147AY-880	3.7	880	4.5	40.5	45.5	R≤80	15.0
XX4190	604190AY-2100	3.7	2100	6.0	41.0	90.0	R≤40	43.2
	704190ABY-2900	3.7	2900	7.0	41.0	90.0	R≤40	59.6
XX4260	604260AY-1650	3.7	1650	6.0	42.0	60.0	R≤60	25.0
XX4258	624258AY-1500	3.7	1500	5.7	42.0	56.5	R≤40	30.8

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XX4260	384260AY-1000	3.7	1000	3.6	42.0	60.0	R≤80	20.6
XX4358	454358AY-1200	3.7	1200	4.3	42.5	58.0	R≤60	24.7
XX43110	6543110AY-3400	3.7	3400	6.5	43.0	110.0	R≤30	64.0
XX4360	304360ABY-660	3.7	660	3.0	43.0	60.0	R≤60	13.6
XX4377	574377ABY-2000	3.7	2000	5.5	43.0	77.0	R≤40	41.1
XX4547	404547AY-830	3.7	830	3.8	44.5	46.5	R≤80	17.1
XX45125	7045125AY-4500	3.7	4500	7.1	44.5	124.5	R≤40	92.5
XX45135	8045135AY-5000	3.7	5000	8.0	45.0	135.0	R≤25	102.8
XX4756	354756AY-750	3.7	750	3.5	47.0	56.0	R≤60	15.4
XX4793	564793CBY-2300	3.7	2300	5.4	47.0	93.0	R≤40	47.3
XX48107	6048107AY-3800	3.7	3800	6.0	48.0	105.0	R≤30	78.1
XX48168	7548168AY-6350	3.7	6350	7.5	48.0	168.0	R≤25	130.5
XX49105	6649105AY-4100	3.7	4100	6.6	49.0	105.0	R≤25	84.3
	7549105AY-4800	3.7	4800	7.5	49.0	105.0	R≤25	98.7
	9049105AY-5600	3.7	5600	9.0	49.0	105.0	R≤25	115.1
XX5060	505060AY-1650	3.7	1650	5.0	50.0	60.0	R≤80	33.9
XX5065	365065AY-1200	3.7	1200	3.6	50.0	63.5	R≤80	24.7
XX5065	505065AY-1850	3.7	1850	4.8	50.0	65.0	R≤40	38.0
XX5068	52568AY-1800	3.7	1800	5.2	50.0	68.0	R≤40	37.0
XX5068	805068AY-3100	3.7	3100	8.0	50.0	68.0	R≤30	63.7
XX5085	345085AY-1500	3.7	1500	3.4	50.0	85.0	R≤60	30.8
XX5088	385088AY-1800	3.7	1800	3.8	50.0	88.0	R≤60	37.0
XX5475	355475AY-1350	3.7	1350	3.3	54.0	75.0	R≤60	27.8
	405475AY-1800	3.7	1800	3.8	54.0	75.0	R≤60	37.0
XX6066	406066ABY-1100	3.7	1100	4.0	60.0	66.0	R≤60	22.6
	356066AY-1430	3.7	1430	3.3	60.0	66.0	R≤60	29.4

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	406066AY-1700	3.7	1700	4.0	60.0	66.0	R≤60	34.9
XX60110	3860110ABY-2000	3.7	2000	3.8	60.0	110.0	R≤40	41.1
XX6194	656194ABY-4000	3.7	4000	6.5	61.0	94.0	R≤40	82.2
XX6250	446250AY-1450	3.7	1450	4.2	62.0	50.0	R≤40	29.8
XX67100	5567100AY-3900	3.7	3900	5.3	67.0	100.0	R≤40	80.2
XX67105	5067105AY-4200	3.7	4200	5.0	67.0	105.0	R≤40	86.3
XX6883	306883ABY-1700	3.7	1700	2.8	68.0	83.0	R≤40	34.9
XX7085	507085AY-3200	3.7	3200	5.0	70.0	85.0	R≤40	65.8
XX7095	327095AY-2300	3.7	2300	3.0	70.0	95.0	R≤30	47.3
XX80100	4580100AY-3850	3.7	3850	4.5	80.0	100.0	R≤30	79.0

Remark: A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## DIGITAL PRODUCTS BATTERIES

This series is ultra thin, offers high capacity and long working time, this series is widely used in digital video cameras, digital cameras, digital photo frames, MP3 and MP4, etc.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness(±0.2)	Width(±0.5)	Height(±0.5)		
Li-polymer	321020AY-30	3.7	30	3.2	10.0	20.0	R≤600	1.0
	481417AY-65	3.7	65	4.8	14.0	17.0	R≤450	1.9
	401323AY-70	3.7	70	3.8	12.5	23.0	R≤300	1.6
	651120AY-80	3.7	80	6.5	11.0	21.0	R≤260	1.5
	401229AY-100	3.7	100	4.0	12.0	29.0	R≤250	2.1
	401723AY-105	3.7	105	4.0	17.0	23.0	R≤250	2.2
	302030AY-120	3.7	120	2.8	20.0	30.0	R≤200	2.5
	401234AY-125	3.7	125	4.0	12.0	34.0	R≤250	2.6
	601225AY-130	3.7	130	6.0	12.0	25.0	R≤230	2.7
	531326AY-130	3.7	130	5.3	13.0	26.0	R≤250	2.7
	302330AY-140	3.7	140	2.8	20.0	30.0	R≤200	2.9
	381239AY-140	3.7	140	3.8	12.0	39.0	R≤250	2.9
	412028AY-170	3.7	170	4.1	20.0	28.0	R≤190	3.5
	351834AY-170	3.7	170	3.5	18.0	34.0	R≤150	3.6
	651230AY-180	3.7	180	6.5	12.0	30.0	R≤200	3.2
	281455AY-180	3.7	180	2.6	14.0	55.0	R≤170	3.7
	402030AY-200	3.7	200	4.0	20.0	30.0	R≤180	4.1
203232AY-200	3.7	200	2.0	32.0	32.0	R≤150	4.1	

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501730AY-210	3.7	210	5.0	17.0	30.0	R≤150	4.3
303035AY-260	3.7	260	3.0	30.0	35.0	R≤110	5.3
602030AY-320	3.7	320	6.0	20.0	30.0	R≤80	6.6
303040AY-320	3.7	320	3.0	30.0	40.0	R≤80	7.0
702030AY-330	3.7	330	7.0	20.0	30.0	R≤100	6.8
551647AY-350	3.7	350	5.3	16.0	46.0	R≤100	6.2
403035AY-360	3.7	360	4.0	30.0	35.0	R≤80	7.4
542633AY-420	3.7	420	5.3	26.0	33.0	R≤60	8.6
303450AY-420	3.7	420	3.0	34.0	50.0	R≤80	8.6
323840AY-450	3.7	450	3.0	38.0	40.0	R≤80	9.3
961737AY-500	3.7	500	9.6	17.0	36.5	R≤100	9.0
482839AY-500	3.7	500	4.8	28.0	39.0	R≤60	9.5
372868AY-680	3.7	680	3.7	28.0	68.0	R≤60	14.0
454358AY-1200	3.7	1200	4.3	42.5	58.0	R≤60	24.7
423880AY-1350	3.7	1350	4.0	38.0	80.0	R≤60	27.8
406066AUY-1600	3.7	1600	4.0	60.0	66.0	R≤60	32.9
604260AY-1650	3.7	1650	6.0	42.0	60.0	R≤60	25.0
102573AY-2000	3.7	2000	9.8	25.0	73.0	R≤60	31.0
7034135AY-3800	3.7	3800	7.0	34.0	135.0	R≤80	78.1
532030AP-210	3.7	210	5.3	20.0	30.0	R≤40	4.3
3860110ABY-2000	3.7	2000	3.8	60.0	110.0	R≤40	41.1
704190ABY-2900	3.7	2900	7.0	41.0	90.0	R≤40	59.6

Remark: A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## LAMP BATTERIES (MINER LIGHT BATTERIES, LED LIGHT BATTERIES, FLASHLIGHT BATTERIES)

This series adopts special techniques and materials. With the characteristics of safety, reliability and long working time, the batteries are widely applied to miner lights, LED lights, emergency lights, flashlights and others lamps.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	365065AY-1200	3.7	1200	3.6	50.0	63.5	R≤80	24.7
	446250AY-1450	3.7	1450	4.2	62.0	50.0	R≤40	29.8
	8045135AY-5000	3.7	5000	8.0	45.0	135.0	R≤25	102.8
	103463BY-1600	3.7	1600	10.0	34.0	63.0	R≤50	39.0
	603465ABY-1300	3.7	1300	6.0	34.0	65.0	R≤60	26.7
	574377ABY-2000	3.7	2000	5.5	43.0	77.0	R≤40	41.1
Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)	
				Diameter (±0.05)	Height (±0.5)			
Cylindrical Li-ion	ICR14430AY-650	3.7	650	13.95	42.5	R≤80	13.3	
	ICR17335AY-750	3.7	750	16.65	34.0	R≤80	15.4	
	ICR14650AY-1100	3.7	1100	13.95	64.5	R≤80	22.6	
	ICR22430AY-2000	3.7	2000	22.05	42.5	R≤80	41.1	
	ICR14500DY-500	3.2	500	13.95	48.5	R≤50	10.2	
	ICR17335DY-500	3.2	500	16.65	34.0	R≤80	10.2	
	ICR14500CY-700	3.7	700	13.95	48.5	R≤80	14.3	

Remark: A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCo<sub>x</sub>NiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCo<sub>x</sub>NiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## PORTABLE MEDICAL DEVICE BATTERIES

This series has excellent reliability and safety characteristics, which can be widely used in blood-pressure meters, audiphones, implanted electric devices and electrically powered wheelchairs, etc.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	301127AY-45	3.7	45	3.0	11.0	27.0	R≤600	1.5
	401430AY-120	3.7	120	4.0	14.0	30.0	R≤230	2.5
	302535AY-210	3.7	210	2.8	25.0	35.0	R≤150	4.3
	6649105AY-4100	3.7	4100	6.6	49.0	105.0	R≤25	84.3
	656194ABY-4000	3.7	4000	6.5	61.0	94.0	R≤40	82.2
Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)	
				Diameter (±0.05)	Height (±0.5)			
Cylindrical Li-ion	ICR26650DY-2800	3.2	2800	26.05		65.5	R≤25	57.5

Remark:

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series



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## PORTABLE DVD BATTERIES

This series is able to power portable DVDs continuously, as well as has the characteristics of high capacity and high discharge voltage platform.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	474147AY-880	3.7	880	4.5	40.5	45.5	R≤80	15.0
	3031134AY-1350	3.7	1350	3.0	31.0	134.0	R≤40	27.8
	102649AY-1400	3.7	1400	10.0	26.0	48.5	R≤60	28.8
	356066AY-1430	3.7	1430	3.3	60.0	66.0	R≤60	29.4
	345085AY-1500	3.7	1500	3.4	50.0	85.0	R≤60	30.8
	503876AY-1700	3.7	1700	4.8	38.0	76.0	R≤60	34.9
	405475AY-1800	3.7	1800	3.8	54.0	75.0	R≤60	37.0
	633378AY-1850	3.7	1850	6.3	33.0	78.0	R≤40	38.0
	505065AY-1850	3.7	1850	4.8	50.0	65.0	R≤40	38.0
	702990AY-1900	3.7	1900	6.8	29.0	90.0	R≤40	39.1
	4030160AY-2000	3.7	2000	4.0	30.0	160.0	R≤300	40.0
	507085AY-3200	3.7	3200	5.0	70.0	85.0	R≤40	65.8
	6048107AY-3800	3.7	3800	6.0	48.0	105.0	R≤30	78.1
	5567100AY-3900	3.7	3900	5.3	67.0	100.0	R≤40	80.2
	5067105AY-4200	3.7	4200	5.0	67.0	105.0	R≤40	86.3
	406066ABY-1100	3.7	1100	4.0	60.0	66.0	R≤60	22.6
742299ABY-1350	3.7	1350	7.4	22.0	99.0	R≤50	26.5	

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	6032100ABY-1700	3.7	1700	6.0	32.0	100.0	R≤40	34.9
	306883ABY-1700	3.7	1700	2.8	68.0	83.0	R≤40	34.9
	6032100ABY-1800	3.7	1800	6.0	32.0	100.0	R≤40	37.0
	743080CBY-1400	3.7	1400	7.4	30.0	80.0	R≤40	32.0
	682699CBY-1550	3.7	1550	6.6	26.0	99.0	R≤60	31.9
	564793CBY-2300	3.7	2300	5.4	47.0	93.0	R≤40	47.3

**Remark:**

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## NOTEBOOK & NETBOOK COMPUTER BATTERIES

This series has the characteristics of high capacity and high safety, which is able to supply Notebook & Netbook with continuous power.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	356066AY-1430	3.7	1430	3.3	60.0	66.0	R≤60	29.4
	4030160AY-2000	3.7	2000	4.0	30.0	160.0	R≤300	40.0
	6048107AY-3800	3.7	3800	6.0	48.0	105.0	R≤30	78.1
	742299ABY-1350	3.7	1350	7.4	22.0	99.0	R≤50	26.5
	743080CBY-1400	3.7	1400	7.4	30.0	80.0	R≤40	32.0
	682699CBY-1550	3.7	1550	6.6	26.0	99.0	R≤60	31.9
	564793CBY-2300	3.7	2300	5.4	47.0	93.0	R≤40	47.3

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)
				Diameter (±0.05)	Height (±0.5)		
Cylindrical Li-ion	ICR18650AY-2200	3.7	2200	18.05	64.5	R≤60	45.2
	ICR18650AY-2300	3.7	2300	18.05	64.5	R≤60	47.2
	ICR18650HY-2000	3.7	2000	18.05	64.5	R≤60	41.1

### Remark:

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCo<sub>x</sub>Ni<sub>y</sub>Mn<sub>z</sub>O<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCo<sub>x</sub>Ni<sub>y</sub>Mn<sub>z</sub>O<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## POWER BANK/MOBILE POWER BATTERIES

This series has super long cycle life and excellent flexibility, which is widely used in all types of Power Banks & Mobile Powers.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	803030AY-680	3.7	680	8.0	30.0	30.0	R≤80	10.5
	630441AY-830	3.7	830	6.0	34.0	41.0	R≤50	16.0
	603446AY-950	3.7	950	6.0	34.0	46.0	R≤60	19.5
	424068AY-1200	3.7	1200	4.2	40.0	68.0	R≤60	20.0
	103450AY-1700	3.7	1700	10.0	34.0	50.0	R≤40	34.9
	853648AY-1700	3.7	1700	8.3	36.0	48.0	R≤40	34.9
	823457AY-1750	3.7	1750	8.2	34.0	57.0	R≤50	32.0
	525068AY-1800	3.7	1800	5.2	50.0	68.0	R≤40	37.0
	327095AY-2300	3.7	2300	3.0	70.0	95.0	R≤30	47.3
	805068AY-3100	3.7	3100	8.0	50.0	68.0	R≤30	63.7
	6543110AY-3400	3.7	3400	6.5	43.0	110.0	R≤30	64.0
	7045125AY-4500	3.7	4500	7.1	44.5	124.5	R≤40	92.5
	7549105AY-4800	3.7	4800	7.5	49.0	105.0	R≤25	98.7
	9049105AY-5600	3.7	5600	9.0	49.5	105.0	R≤25	115.1
	754168AY-6350	3.7	6350	7.5	48.0	168.0	R≤25	130.5
656194ABY-4000	3.7	4000	6.5	61.0	94.0	R≤40	82.2	

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Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)
				Diameter (±0.05)	Height (±0.5)		
Cylindrical Li-ion	ICR14500AY-800	3.7	800	13.95	48.5	R≤80	16.4
	ICR17500AY-1100	3.7	1100	16.65	48.5	R≤80	22.6
	ICR17650AY-1600	3.7	1600	16.65	64.5	R≤80	32.8
	ICR18650DY-1300	3.2	1300	18.05	64.5	R≤30	26.7
	ICR26650DY-2800	3.2	2800	26.05	65.5	R≤25	57.5
	ICR32650DY-4000	3.2	4000	32.20	65.5	R≤30	82.2

**Remark:**

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## POWER TOOLS BATTERIES

This series is designed for high drain devices. With the characteristic of higher discharge current. The batteries can be charged at 1C and discharged up to 15C.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	283435AY-270	3.7	270	2.6	34.0	35.0	R≤150	5.6
Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Height (±0.5)	Internal Resistance (mohm)	Approximate Weight(g)
				Diameter (±0.05)				
Cylindrical Li-ion	ICR14430AY-650	3.7	650	13.95		42.5	R≤80	13.3
	ICR14500AY-800	3.7	800	13.95		48.5	R≤80	16.4
	ICR14650AY-1100	3.7	1100	13.95		64.5	R≤80	22.6
	ICR18490AY-1400	3.7	1400	18.00		64.5	R≤80	28.7
	ICR14500CY-700	3.7	700	13.95		48.5	R≤80	14.3
	ICR18490CY-1200	3.7	1200	18.00		64.5	R≤80	24.6
	ICR32650DY-4000	3.2	4000	32.20		65.5	R≤30	82.2

### Remark:

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## R/C TOYS BATTERIES

This series is designed R/C toys and Aeromodelling. With the characteristic of higher discharge current. The batteries can be charged at 1C and discharged up to 15C.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	551417AP-75	3.7	75	6.3	14.0	18.0	R≤130	2.0
	601419AP-85	3.7	85	6.3	14.0	19.0	R≤130	1.8
	401430AP-90	3.7	90	4.0	14.0	30.0	R≤150	1.9
	651717AP-100	3.7	100	6.5	17.0	17.0	R≤130	2.1
	681719AP-100	3.7	100	6.6	17.0	19.5	R≤150	3.0
	501430AP-110	3.7	110	5.0	14.0	30.0	R≤140	2.3
	701719AP-120	3.7	120	7.0	17.0	19.0	R≤130	3.0
	602020AP-140	3.7	140	6.1	20.0	20.0	R≤120	3.6
	502030AP-180	3.7	180	5.3	20.0	30.0	R≤120	3.7
	532030AP-210	3.7	210	5.3	20.0	30.0	R≤100	4.3
	652030AP-250	3.7	250	6.5	20.0	30.0	R≤100	5.1
	701855AP-500	3.7	500	7.0	18.0	34.0	R≤40	12.5
	912740AP-650	3.7	650	8.9	27.0	40.0	R≤60	13.4
103048AP-1000	3.7	1000	9.6	30.0	48.0	R≤20	20.6	

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	573496AP-1600	3.7	1600	5.7	34.0	96.0	R≤20	32.9
	052025AY-180	3.7	180	4.9	20.0	25.0	R≤150	3.7
	384260AY-1000	3.7	1000	3.6	42.0	60.0	R≤80	20.6
Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)	
				Diameter (±0.05)	Height (±0.5)			
Cylindrical Li-ion	ICR18490CBP-1000	3.7	1000	18.00	64.5	R≤25	20.5	
	ICR17650DP-900	3.2	900	16.65	64.5	R≤30	18.5	
	ICR22650DP-1500	3.2	1500	22.05	65.0	R≤30	30.8	
	ICR22650DP-2400	3.2	2400	26.05	65.5	R≤20	49.3	
	ICR32650DP-3800	3.2	3800	32.20	65.5	R≤20	78.1	
	ICR14650CP-800	3.7	800	13.95	64.5	R≤80	16.4	
	ICR17650CP-1200	3.7	1200	16.65	64.5	R≤20	24.6	
	ICR18740CP-1600	3.7	1600	18.00	71.5	R≤20	32.8	

**Remark:**

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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## WIRELESS COMMUNICATION PRODUCTS BATTERIES

This series delivers high capacity, high discharge voltage platform, long cycle life and excellent flexibility. This series is widely used in mobile phones, wireless phones, two-way radios, GPS and Bluetooth, etc.

Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)			Internal Resistance (mohm)	Approximate Weight(g)
				Thickness (±0.2)	Width (±0.5)	Height (±0.5)		
Li-polymer	304360ABY-660	3.7	660	3.0	43.0	60.0	R≤60	13.6
	602649ABY-680	3.7	680	6.0	26.0	49.0	R≤60	14.0
	503946ABY-850	3.7	850	5.0	39.0	46.0	R≤80	17.5
	646443ABY-850	3.7	850	6.4	34.0	43.0	R≤80	17.5
	401225AY-80	3.7	80	4.0	12.0	25.0	R≤250	2.0
	402025AY-140	3.7	140	3.8	20.0	25.0	R≤150	2.9
	383434AY-400	3.7	400	3.6	33.5	33.5	R≤150	8.2
	303450AY-550	3.7	550	3.0	34.0	50.0	R≤80	11.3
	383450AY-650	3.7	650	3.8	34.0	50.0	R≤80	13.4
	354756AY-750	3.7	750	3.5	47.0	56.0	R≤60	15.4
	383562AY-875	3.7	875	3.8	35.0	62.0	R≤60	18.0
	653446AY-1000	3.7	1000	6.5	34.0	46.0	R≤60	20.6
483757AY-1050	3.7	1050	4.8	37.0	57.0	R≤50	18.0	

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	483756AY-1100	3.7	1100	4.6	37.0	56.0	R≤60	22.6
	553759AY-1300	3.7	1300	5.5	37.0	59.0	R≤60	26.7
	355475AY-1350	3.7	1350	3.3	54.0	75.0	R≤60	27.8
	523478AY-1420	3.7	1420	5.0	34.0	78.0	R≤40	29.2
	624258AY-1500	3.7	1500	5.7	42.0	56.5	R≤40	30.8
	504070AY-1600	3.7	1600	4.8	40.0	70.0	R≤60	32.9
	505060AY-1650	3.7	1650	5.0	50.0	60.0	R≤80	33.9
	406066AY-1700	3.7	1700	4.0	60.0	66.0	R≤60	34.9
	385088AY-1800	3.7	1800	3.8	50.0	88.0	R≤60	37.0
	604190AY-2100	3.7	2100	6.0	41.0	90.0	R≤40	43.2
Type	Model	Nominal Voltage (V)	Nominal Capacity (mAh)	Cell Dimension(mm)		Internal Resistance (mohm)	Approximate Weight(g)	
				Diameter (±0.05)	Height (±0.5)			
Cylindrical Li-ion	ICR14430AY-650	3.7	650	13.95	42.5	R≤80	13.3	
	ICR14500CY-700	3.7	700	13.95	48.5	R≤80	14.3	

Remark:

A—LiCoO<sub>2</sub>; B—LiMnO<sub>2</sub>; C—LiCoxNiyMnzO<sub>2</sub>; D—LiFePo<sub>4</sub>; H—LiCoO<sub>2</sub>&LiCoxNiyMnzO<sub>2</sub>; Y—Normal Series—High Rate Discharge Series

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