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# Li-ion Polymer Battery

Li-ion polymer battery (LiPo, LIP, Li-poly, lithium-poly) is a rechargeable battery of lithium-ion technology using a polymer electrolyte instead of a liquid electrolyte. High conductivity semisolid (gel) polymers form this electrolyte. These batteries provide higher specific energy than other lithium battery types and are used in applications where weight is a critical feature, like mobile devices and radio-controlled aircraft.

## KEY FEATURES

- High energy density and operating voltage of 3.7V
- High discharge rate for more powerful devices  
Lithium-ion polymer batteries are of outstanding discharge rate, sufficient to power a hard disk, video cameras and other such devices
- Stable discharge under various environmental conditions, and temperatures, from  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$
- Superior storage characteristics  
The self-discharge rate of Lithium-ion polymer battery is about 3% per month when stored at room temperature
- Excellent cost performance and long cycle life  
Superior recharging properties ensure a service life of up to 800 cycles under normal usage conditions
- Environmentally friendly

## APPLICATION

Portable DVD players, Bluetooth devices wireless devices, wearable electronic devices, PDA and digital cameras, security display stands for phones and tablets, camera anti-theft display stands, electric bikes, GPS, monitoring units, tracking units, notebook computers, e-books, telematics, real-time location tracking systems, tracking devices, sleep management equipment, blood oxygen tracking equipment, pulse monitors, Wi-Fi enabled smart home systems.

## CERTIFICATION

CE, UL, PSE,BSMI,KC, REACH, ROHS; ISO 9001:2008 and ISO 14001:2004



### Size

Flexible size, optional customization, can be specified by the customer



### Capacity

Wide range of optional capacity, more choices, longer use



### Environmental protection

Strictly in accordance with the ISO9001 quality management system

Model No.	Voltage	Capacity	Thickness	Width	Height	Impedance
	V	mAh	±0.2mm	±0.5mm	±0.5mm	mΩ≤
252030	3.7	100	2.5	20	30	220
283256	3.7	500	2.8	32	56	80
301329	3.7	80	3.0	13	29	260
301730	3.7	100	3.0	17	30	220
302030	3.7	120	3.0	20	30	180
302530	3.7	170	3.0	25	30	160
302535	3.7	220	3.0	25	35	130
302574	3.7	560	3.0	25	74	90
302934	3.7	280	3.0	29	34	130
303040	3.7	310	3.0	30	30	110
303048	3.7	400	3.0	30	48	90
303450	3.7	480	3.0	34	50	80
303759	3.7	650	3.0	37	59	80
303840	3.7	400	3.0	38	40	90
322238	3.7	230	3.2	22.5	38	120
336263	3.7	1400	3.3	62	63	60
342530	3.7	220	3.4	25	30	130
351729	3.7	130	3.5	17	29	200
351752	3.7	275	3.5	17	52	120
352073	3.7	450	3.5	20	73	100
352775	3.7	600	3.5	27	75	80
352830	3.7	270	3.5	28	30	120
353030	3.7	280	3.5	30	30	120
353035	3.7	300	3.5	30	35	120
355771	3.7	1600	3.5	57	71	60
363450	3.7	500	3.6	34	50	80
382746	3.7	450	3.8	27	46	100
401725	3.7	110	4.0	17	25	220
401730	3.7	150	4.0	17	30	160
402030	3.7	200	4.0	20	30	130
402040	3.7	280	4.0	20	41	120
402035	3.7	230	4.0	20	35	120
402050	3.7	360	4.0	20	50	120
403035	3.7	380	4.0	30	35	100
403035	3.7	400	4.0	30	35	90
403040	3.7	500	4.0	30	40	80
403055	3.7	600	4.0	30	55	80
403840	3.7	590	4.0	38.3	40	80
404355	3.7	900	4.0	43	55	60
403450	3.7	750	4.0	34	50	60
405153	3.7	1000	4.0	51	53	60

451220	3.7	70	4.5	12	20	270
451836	3.7	250	4.5	18	36	120
452526	3.7	260	4.5	25	26	120
452535	3.7	350	4.5	25	35	110
453038	3.7	530	4.0	30	38	80
453040	3.7	530	4.5	30	40	80
453443	3.7	650	4.5	34	43	80
452030	3.7	220	4.5	20	30	130
452535	3.7	350	4.5	25	35	100
472023	3.7	180	4.7	20	23	150
472329	3.7	250	4.7	23	29	130
473645	3.7	850	4.7	36	45	80
483030	3.7	400	4.8	30	30	100
484450	3.7	900	4.8	44	50	60
501935	3.7	300	5.0	19	35	120
502027	3.7	260	5.0	20	26	120
502030	3.7	250	5.0	20	30	120
502035	3.7	300	5.0	20	35	100
502045	3.7	450	5.0	20	45	90
502248	3.7	470	5.0	22	48	80
502443	3.7	500	5.0	24	43	90
502528	3.7	320	5.0	25	28	110
502530	3.7	300	5.0	25	30	120
502535	3.7	400	5.0	25	35	100
502835	3.7	480	5.0	28	35	80
502837	3.7	450	5.0	27.5	37	80
503035	3.7	400	5.0	30	35	100
503035	3.7	500	5.0	30	35	80
503040	3.7	600	5.0	30	40	80
503048	3.7	750	5.0	30	48	80
503759	3.7	1200	5.0	37	59	60
503759	3.7	1300	5.0	37	59	60
512850	3.7	750	5.2	27.5	50	80
523450	3.7	980	5.2	34	50	80
532035	3.7	350	5.3	20	35	100
552035	3.7	370	5.5	20	35	100
552248	3.7	600	5.5	22	48	80
552531	3.7	500	5.5	25	31	80
552535	3.7	450	5.5	25	35	80
553048	3.7	900	5.5	30	48	60
553040	3.7	500	5.5	30	40	80
553040	3.7	650	5.5	30	40	80
582528	3.7	400	5.8	25	28	100

601230	3.7	170	6.0	12	30	160
601835	3.7	350	6.0	18	35	100
601842	3.7	420	6.0	18	42	100
602025	3.7	220	6.0	20	25	120
602030	3.7	300	6.0	20	30	100
602035	3.7	380	6.0	20	35	100
602040	3.7	420	6.0	20	40	100
602040	3.7	450	6.0	20	40	90
643040	3.7	800	6.4	30	40	60
602045	3.7	530	6.0	20	45	80
602050	3.7	500	6.0	20	50	80
602060	3.7	600	6.0	20	60	80
602530	3.7	300	6.0	25	30	120
603030	3.7	500	6.0	30	30	80
603040	3.7	600	6.0	30	40	80
603048	3.7	850	6.0	30	48	60
603450	3.7	1000	6.0	34	50	60
642045	3.7	500	6.4	20	46	80
653035	3.7	700	6.5	30	35	80
654045	3.7	1350	6.5	40	45	50
681966	3.7	900	6.8	19	66	60
682045	3.7	560	6.8	20	45	80
701438	3.7	320	7.0	14	38	120
702030	3.7	380	7.0	20	30	100
702025	3.7	280	7.0	20	25	130
702040	3.7	500	7.0	20	40	80
702050	3.7	700	7.0	20	50	80
702535	3.7	600	7.0	25	35	80
703048	3.7	1000	7.0	30	48	60
703443	3.7	1000	7.0	34	43	60
703450	3.7	1200	7.0	34	50	60
703450	3.7	1400	7.0	34	50	60
704045	3.7	1000	7.0	40	45	60
704050	3.7	1600	7.0	40	50	60
704055	3.7	1780	7.0	40	55	60
751524	3.7	220	7.5	15	24	100
752030	3.7	400	7.5	20	30	100
752035	3.7	500	7.5	20	35	80
752050	3.7	700	7.5	20	50	60
752540	3.7	750	7.5	25	40	60
753040	3.7	980	7.5	30	40	60
753042	3.7	850	7.5	30	42	60
753048	3.7	1100	7.5	30	48	60

762252	3.7	850	7.6	22	52	60
802030	3.7	400	8.0	20	30	100
802040	3.7	600	8.0	20	40	80
802045	3.7	700	8.0	20	45	80
802528	3.7	500	8.0	25	28	80
802540	3.7	800	8.0	25	40	60
803040	3.7	1000	8.0	30	40	60
803048	3.7	1200	8.0	30	48	60
803443	3.7	1200	8.0	34	43	60
803450	3.7	1500	8.0	34	50	50
803540	3.7	1000	8.0	35	40	60
804050	3.7	1800	8.0	40	50	50
804450	3.7	1850	8.0	44	50	50
805252	3.7	2500	8.0	52	52	50
852525	3.7	480	8.5	25	25	80
853030	3.7	700	8.5	30	30	80
902030	3.7	500	9.0	20	30	80
902035	3.7	600	9.0	20	35	80
902045	3.7	820	9.0	20	45	60
902040	3.7	700	9.0	20	40	80
902050	3.7	850	9.0	20	50	60
902432	3.7	680	9.0	24	32	80
902540	3.7	900	9.0	25	40	60
902540	3.7	950	9.0	25	40	60
902830	3.7	700	9.0	28	30	80
952040	3.7	770	9.5	20	40	80
952435	3.7	700	9.5	24	35	80
953035	3.7	1050	9.5	30	35	60
102248	3.7	1000	10.0	22	48	60
102535	3.7	800	10.0	25	35	80
103040	3.7	1200	10.0	30	40	60
103540	3.7	1350	10.0	35	40	50
103450	3.7	1800	10.0	34	50	50
123345	3.7	1800	12.0	33	45	50
123636	3.7	1600	12.0	36	36	50