

NXE BATTERY

诺信电池

HIGH DISCHARGE LI-PO BATTERY

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东莞生产分工厂地址：广东省东莞市塘厦镇环市南路22号霖丰科技园1栋8楼

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高倍率聚合物锂离子电池制造专家
High Discharge Li-Po Battery Manufacturing Experts

诺信办公大楼 Office Building



核心优势

鹤壁市诺信电子有限公司自主研发的高倍率聚合物锂离子电池正负极配方技术、薄膜电极涂布技术、功能电解液配方技术、超低温军品技术等，使产品在安全性、大倍率放电特性、超高低温放电等关键技术指标实现了新的突破，达到行业先进水平。与传统电池相比，具有高性能、高安全性、使用寿命长、绿色环保且可循环利用的显著优点。成功开发了120C、150C超高倍率放电技术，1000C超高倍率脉冲放电技术，突破-50℃超低温放电技术瓶颈，并实现3000次超长循环寿命的无人机电池技术。无人机电池能量密度可达200-400wh/kg。



Core advantages

Hebi NXE Electronic Co., Ltd independently developed high C-rate lithium polymer battery anode and cathode electrode formula technology, thin-film electrode coating technology, functional electrolyte formula technology, and ultra-low temperature military product technology, etc., which have achieved new breakthroughs in key technical indicators such as safety, high C-rate discharge characteristics, and ultra-high and ultra-low temperature discharge, reaching the advanced level of the industry. Compared with traditional batteries, it has the significant advantages of high performance, high safety, long cycle life, environmental friendliness, and recyclability. At present, NXE has successfully developed 120C and 150C ultra-high rate discharge technologies and 1000C ultra-high rate pulse discharge technology, breaking through the bottleneck of -50°C ultra-low temperature discharge technology, and achieving drone battery technology with an ultra-long cycle life of 3,000 times. NXE has developed UAV drone battery with high energy density of 200-400 Wh/kg.

诺信厂房 NXE Industry Zone





主要产品-民用领域

Main Products – Civil Field



◆ 高倍率电池系列

- ✓ 25C~160C持续放电
- ✓ 120C~300C瞬间放电
- ✓ 应用领域：启动电源、模型飞机、电动工具

◆ 能量功率兼顾系列

- ✓ 5C~20C持续放电
- ✓ 能量密度150~250Wh/kg
- ✓ 应用领域：无人机、PHEV、小型家电（吸尘器）

◆ 高比能电池系列

- ✓ 能量密度200~400Wh/kg
- ✓ 应用领域：无人机、动力储能



◆ High rate battery series

- ✓ 25C~160C continuous discharge
- ✓ 120C~300C instantaneous discharge
- ✓ Application fields: starting power supply, model aircraft, electric tools

◆ Energy and power balance series

- ✓ 5C~20C continuous discharge
- ✓ Energy Density 150~250Wh/kg
- ✓ PHEV UAV, small home appliances (vacuum cleaners), PHEVs

◆ High specific energy battery series

- ✓ Energy Density 200~400Wh/kg
- ✓ Unmanned aerial vehicles, power storage



 **固态电池技术**
SOLID STAT BATTERY TECHNOLOGY

 **超低温技术**
TECHNIQUES FOR ULTRA-LOW TEMPERATURE

 **高安全技术**
HIGH SECURITY TECHNOLOGY

 **高能量密度技术**
HIGH ENERGY DENSITY TECHNOLOGY

 **高倍率技术**
HIGH MAGNIFICATION TECHNOLOGY



诺信电子强力打造的大倍率锂电池包括100-200C持续放电倍率，产品销往US（美国）、GB（英国）、NL（荷兰）、AUS（澳大利亚）、GER（德国）等几十个国家。产品通过GB31241、UN38.3、UL、CE、MSDS、ROHS等相关国内与国际产品认证。



Qualification

Comprehensive Management System

- Quality Management System: ISO9001
- Environmental Management System: ISO14001
- Occupational Health and Safety Management System: OHSAS18001

Product export certification

- A variety of products have certification qualifications for export to North America and Europe
UL、CE/62133、CB、UN38.3、ROHS、MSDS



企业资质

全面的管理体系

- 质量管理体系: ISO9001
- 环境管理体系: ISO14001
- 职业健康安全管理体系: OHSAS18001

产品出口认证

- 多款产品具备出口北美、欧洲的认证资质
UL、CE62133、CB、UN38.3、ROHS、MSDS.....



NXE Power Agriculture Drone Lipo

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	NXE6000/25-6S	6000	22.2V	55.8	49.0	155.0	872.0	25C(150.0A)	50C(300.0A)
2	NXE8000/25-6S	8000	22.2V	51.0	60.0	166.0	1143.0	25C(200.0A)	50C(400.0A)
3	NXE10000/15-6S	10000	22.2V	66.0	60.0	166.0	1251.2	15C(150.0A)	30C(300.0A)
4	NXE10000/25-6S	10000	22.2V	49.0	90.0	166.0	1413.0	25C(250.0A)	50C(500.0A)
5	NXE13000/25-6S	13000	22.2V	68.0	71.0	181.0	1575.0	25C(325.0A)	50C(650.0A)
6	NXE16000/25-6S	16000	22.2V	70.0	76.0	171.0	2002.0	25C(400.0A)	50C(800.0A)
7	NXE21000/15-6S	21000	22.2V	48.5	97.0	245.0	2541.0	15C(315.0A)	30C(630.0A)
8	NXE22000/25-6S	22000	22.2V	67.0	92.0	196.0	2500.0	25C(550.0A)	50C(1100.0A)
9	NXE23000/25-6S	23000	22.2V	22.2	73.0	208.0	2613.0	25C(575.0A)	50C(1150.0A)
10	NXE28000/25-6S	28000	22.2V	66.0	103.0	243.0	3370.0	25C(700.0A)	50C(1400.0A)



NXE Power High Rate Aircraft Model Lipo

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	NXE1500/25-3S	1500	11.1V	26.0	34.0	72.0	126.0	25C(37.5A)	50C(75.0A)
2	NXE1800/35-3S	1800	11.1V	21.1	35.0	103.0	151.5	35C(63.0A)	70C(126.0A)
3	NXE2200/25-3S	2200	11.1V	22.9	35.0	103.5	192.0	25C(55.0A)	50C(110.0A)
4	NXE2200/50-3S	2200	11.1V	25.5	35.0	104.0	206.0	50C(100.0A)	100C(200.0A)
5	NXE2600/50-4S	2600	14.8V	21.8	44.0	134.0	275.2	50C(130.0A)	100C(260.0A)
6	NXE3300/45-6S	3300	22.2V	44.4	44.0	135.0	555.0	45C(148.5A)	90C(297.0A)
7	NXE4000/35-6S	4000	22.2V	39.6	49.0	155.0	618.0	35C(140.0A)	70C(280.0A)
8	NXE4200/35-6S	4200	22.2V	50.0	45.0	135.0	612.0	35C(147.0A)	70C(294.0A)
9	NXE1300/75-4S	1300	14.8V	30.0	35.0	72.0	155.0	75C(97.5A)	150C(195.0A)
10	NXE1500/75-4S	1500	14.8V	28.5	35.0	90.0	175.0	75C(112.5A)	150C(225.0A)
11	NXE2700/75-4S	2700	14.8V	26.0	44.0	138.0	320.0	75C(202.5A)	150C(405.0A)
12	NXE3300/75-6S	3300	22.2V	48.0	44.0	138.0	580.0	75C(247.5A)	150C(495.0A)
13	NXE4500/75-6S	4500	22.2V	49.0	48.0	158.0	780.0	75C(337.5A)	150C(675.0A)
14	NXE5200/75-6S	5200	22.2V	55.0	50.0	160.0	860.0	75C(390.0A)	150C(780.0A)
15	NXE6000/80-6S	6000	22.2V	42.0	75.0	180.0	998.0	80C(480.0A)	160C(960.0A)



» NXE+FPV LiPo Battery

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	NXE1300/120-4S GR	1300	14.8V	33.0	35.0	72.0	175.0	120C(156.0A)	240C(312.0A)
2	NXE1300/120-5S GR	1300	18.5V	41.0	35.0	72.0	212.0	120C(156.0A)	240C(312.0A)
3	NXE1500/120-3S GR	1500	11.1V	29.5	35.0	72.0	152.0	120C(180.0A)	240C(360.0A)
4	NXE1500/120-4S GR	1500	14.8V	38.0	35.0	72.0	192.0	120C(180.0A)	240C(360.0A)
5	NXE1500/120-5S GR	1500	18.5V	48.0	35.0	72.0	238.0	120C(180.0A)	240C(360.0A)
6	NXE1350/160C-6S	1350	22.2V	38.0	40.0	78.0	220.0	160C(216.0A)	320C(432.0A)
7	NXE1500/160C-6S	1500	22.2V	41.0	40.0	78.0	235.0	160C(240.0A)	320C(480.0A)
8	NXE1600/160C-6S	1600	22.2V	44.0	40.0	78.0	255.0	160C(256.0A)	320C(512.0A)



» List of solid-state high-voltage high-energy-density battery models

Item.	Product No.	Typical capacity (mAh)	Combination	Charging voltage (V)	Dimensions(±3mm)			Approx Weight (g)
					Thickness	Width	Length	
1	12S-18Ah 5C	18000	12S1P	52.8	136	70	188	3600
2	12S-22Ah 5C	22000	12S1P	52.8	141	75	200	4270
3	12S-28Ah 5C	28000	12S1P	52.8	139	90	210	5380
4	12S-30Ah 5C	30000	12S1P	52.8	148	90	210	5740
5	14S-33Ah 5C	33000	14S1P	61.6	145	105	235	7300
6	14S-36Ah 5C	36000	14S1P	61.6	157	105	235	8010
7	14S-39Ah 5C	39000	14S1P	61.6	166	105	235	8550

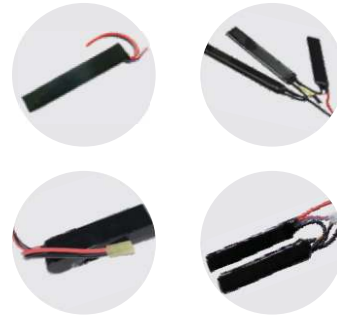
» List of solid-state normal voltage high energy density battery models

Item.	Product No.	Typical capacity (mAh)	Combination	Nominal voltage (V)	Dimensions(±3mm)			Approx Weight (g)
					Thickness	Width	Length	
1	6S-16Ah 5C	16000	6S1P	22.2V	49	75	205	1500
2	12S-16Ah 5C	16000	12S1P	44.4V	100	75	205	2950
3	6S-22Ah 5C	22000	6S1P	22.2V	65	75	205	1960
4	12S-22Ah 5C	22000	12S1P	44.4V	132	75	205	3850
5	12S-30Ah 5C	30000	12S1P	44.4V	137	88	215	5150
6	14S-30Ah 5C	30000	14S1P	51.8V	160	88	215	6100



» NXE Power Airsoft Lipo Battery Packs Products Catalogue

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	NXE1000/20-3S-1	1000	11.1V	16.3	20.0	100.0	67.0	20C	40C
2	NXE1200/20-2S-1	1200	7.4V	12.0	21.0	128.0	60.0	20C	40C
3	NXE1200/20-3S-1	1200	11.1V	17.5	21.0	128.0	86.0	20C	40C
4	NXE1400/20-2S-1	1400	7.4V	13.5	21.0	126.0	70.0	20C	40C
5	NXE1400/20-3S-1	1400	11.1V	19.4	21.0	126.0	102.0	20C	40C
6	NXE600/25-2S-1	600	7.4V	13.0	19.0	62.0	38.0	25C	50C



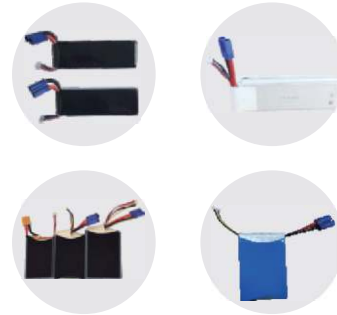
» NXE Power RC Car Lipo

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	NXE4600/100C-2S2P	4600	7.4V	25.1	46.5	95.5	218.0	100C(460.0A)	200C(920.0A)
2	NXE6000/100C-3S2P	6000	11.1V	38.0	46.5	138.0	452.0	100C(600.0A)	120C(1200.0A)
3	NXE5800/100C-2S2P	5800	7.4V	25.1	46.5	138.0	310.0	100C(580.0A)	200C(1160.0A)
4	NXE6600/100C-2S2P	6600	7.4V	25.1	46.5	138.0	317.0	100C(660.0A)	200C(1320.0A)
5	NXE7600/100C-2S2P	7600	7.4V	25.1	46.5	138.0	326.0	100C(760.0A)	200C(1552.0A)
6	NXE6600/100C-2S2P	6600	7.6V	22.0	46.5	138.0	253.0	100C(660.0A)	200C(1320.0A)
7	NXE4400/100C-2S2P	4400	7.6V	22.0	46.5	95.5	185.0	100C(440.0A)	200C(880.0A)
8	NXE6700/100C-4S1P	6700	15.2V	48.0	46.5	138.0	541.0	100C(670.0A)	200C(1340.0A)
9	NXE7600/100C-4S1P	7600	15.2V	48.0	46.5	138.0	554.0	100C(740.0A)	200C(1480.0A)
10	NXE8200/100C-2S1P	8200	7.6V	25.0	46.5	138.0	322.0	100C(800.0A)	200C(1600.0A)



» NXE Power Car Jump Starter LiPo Battery Packs
(High temperature aging at 65 degree for seven days)

Item.	Product No.	Typical capacity (mAh)	Packs Voltage (V)	Dimensions			Approx Weight (±5%g)	Max Discharge Data	
				T ±5%mm	W ±5%mm	L ±5%mm		Continuous Discharge Current	Burst Discharge Current
1	WST5244125SH35C	2600	11.1	16.5	44.0	138.0	206.0	35C	70C
2	WST6544125SH35C	3300	11.1	21.0	44.0	138.0	258.0	35C	70C
3	WST7544125SH35C	3700	11.1	24.0	44.0	138.0	279.0	35C	70C
4	WST855880SH35C	3700	11.1	27.0	58.0	90.0	278.0	35C	70C
5	WST8044125SH35C	4200	11.1	26.0	44.0	138.0	312.0	35C	70C
6	WST9548145SH35C	6000	11.1	30.5	48.0	158.0	446.0	35C	70C
7	WST9074135SH45C	9000	11.1	30.0	75.0	148.0	611.0	45C	90C
8	WST6074102SH35C	4000	14.8	25.0	75.0	113.0	405.0	35C	70C
9	WST7048118SH35C	4000	14.8	30.0	49.0	128.0	375.0	35C	70C
10	WST7070142SH35C	6000	14.8	29.0	71.0	153.0	600.0	35C	70C



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