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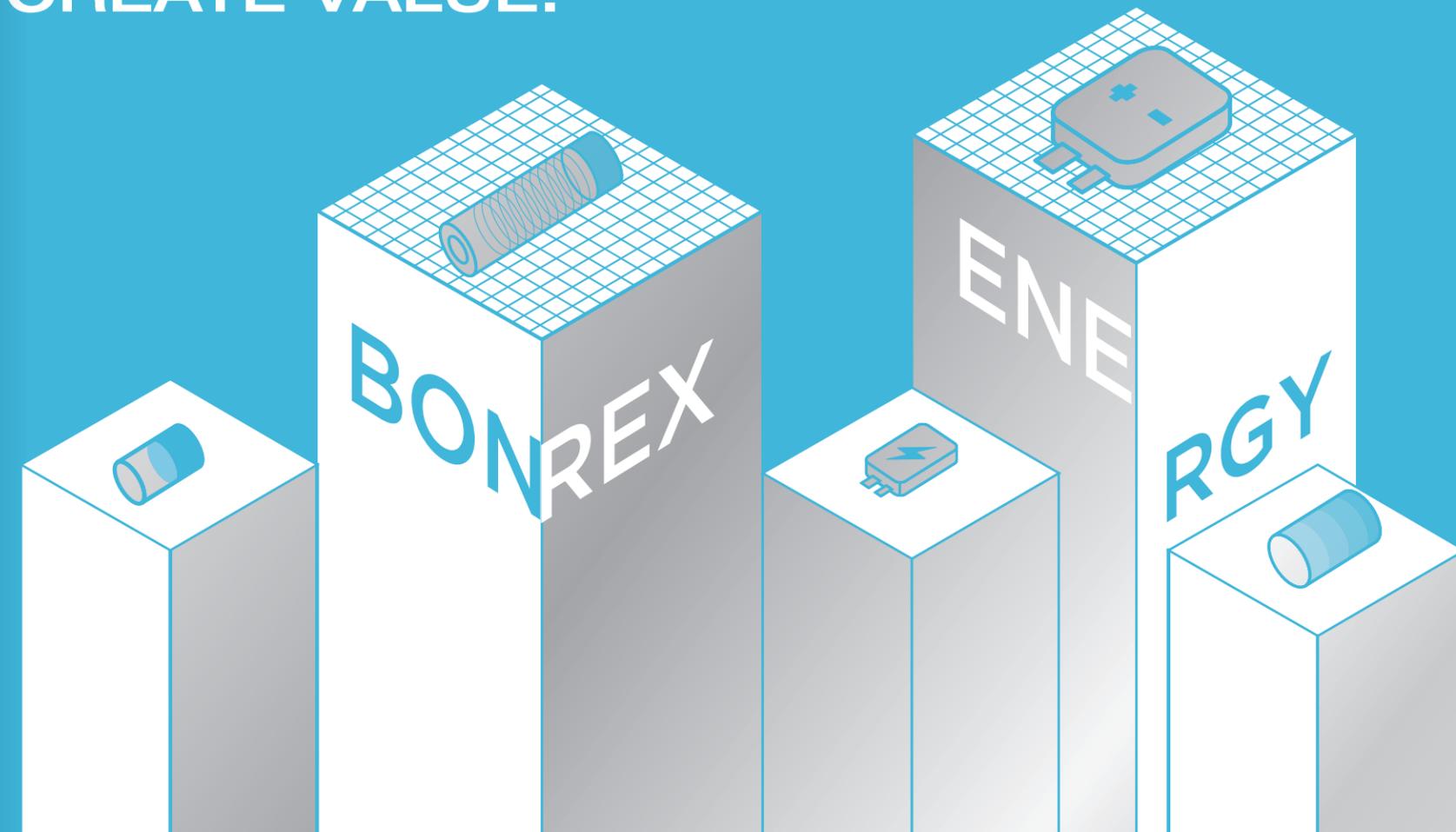
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ENERGY EXPERT AND ENERGY SOLUTIONS TO CREATE VALUE.



COMPANY

ABOUT US



BONREX TECHNOLOGY CO.,LTD is the leading battery manufacturer in China mainland, who focus on LifeP04, Lipolymer, Li-Ion, LisoCl2, and LiIMn02 batteries, including PCM, our batteries passed by IEC62133, KC, UL, CE,ROHS, IEC and CB certifications.



Our company has 20 years experience in battery R&D, producing and the overseas marketing. Our products are widely used in electronic products which include handheld device, medical equipment, GPS, electric bicycle, old chain monitoring, GPS positioning, military systems, marine safety, petroleum exploration, and ETC.



650

High energy density. about 650wh/kg.

5

Long storage life Time and Long using lifetime, it can be used above 5 years.

20+

in some special application, it can be used for more than 10 years (Depends on different working request)



BONREX TECHNOLOGY is comply with ISO9001:2015 international certification, all products strictly follow the ISO international quality system standard. BONREX TECHNOLOGY products are recognized by IEC62133, CB, CE, UL, RoHS; UN38.3 and MSDS transportation certificate, BONREX TECHNOLOGY penetrate in the market of Europe, America, Middle East, Southeast Asia and other countries and regions, BONREX TECHNOLOGY obtain customers praise and recognition with good quality and credibility. BONREX TECHNOLOGY will be dedicated to provide you with quality products and services.



FACTORY TOUR

*BONREX
TECHNOLOGY
FACTORY*



We take humanistic management as our concept, regarding people as the most important factor in our development. We pay attention to safety & environmental protection and take the responsibility of the society. With great passion and fathfulness, we are willing to provide our customers perfect service and striding forward with you to create a bright future.



Bonrex Normal tests for lithium battery, All batteries or packs which our customer received for Bonrex pass the follow tests, in R/D sampling period and/pilot! production. We can also conduct specified test according to customer requirement.



LI POLYMER BATTERY



Key Features:

1. High energy density, high and stable operating voltage, with average voltage over 3.7v.
2. Safety, no fire and no explosion.
3. Long cycle life over 500 times and Capacity more than 80%.
4. Battery can be different shapes and sizes in order to satisfy the requirement of customer.
5. Customized designs are available with thickness from 2 to 13mm, capacity from 20 to 15000mAh.

Application:

Toys, Bluetooth Keyboard, GamePad, Smart Watch, Auto electronics, GPS, Smart phone, Digital products, Tablet PC, E-book, POS machine, Smart watch, Bluetooth glasses, Drone, Power Bank, Etc.

Model	Capacity Nominal (mAh)	Internal Resistance (Ω)	Voltage (V)	Dimension			Weight Appro (g)
				Thickness (smm)	Width (+0.5mm)	Length (+0.5mm)	
BR-351316	40	700	3.7	3.5	13	16	0.8
BR-501220	80	350	3.7	5.0	12	20	1.6
BR-302020	85	325	3.7	3.0	20	20	1.7
BR-301530	90	310	3.7	3.0	15	30	1.8
BR-301730	100	280	3.7	3.0	17	30	2.0
BR-401230	110	280	3.7	4.0	12	30	2.2
BR-302030	140	220	3.7	3.0	20	30	2.8
BR-551430	180	190	3.7	5.5	14	30	3.6
BR-651725	220	150	3.7	6.5	17	25	4.4
BR-252540	245	130	3.7	2.5	25	40	4.9
BR-502030	250	130	3.7	5.0	20	30	5.0
BR-501641	290	120	3.7	5.0	16	41	5.8
BR-501738	300	120	3.7	5.0	17	38	6.0
BR-351774	350	110	3.7	3.5	17	74	7.0
BR-602040	400	100	3.7	6.0	20	40	8.0
BR-652730	450	100	3.7	6.5	27	30	9.0
BR-503035	500	90	3.7	5.0	30	35	10.0
BR-603030	500	90	3.7	6.0	30	30	10.0
BR-702040	520	80	3.7	7.0	20	40	10.4
BR-601658	560	80	3.7	6.0	16	58	11.2
BR-902035	600	80	3.7	9.0	20	35	12.0
BR-752438	650	60	3.7	7.5	24	38	13.0
BR-902040	700	80	3.7	9.0	20	40	14.0
BR-553048	800	60	3.7	5.5	30	48	16.0
BR-703040	850	70	3.7	7.0	30	40	17.0
BR-423759	850	70	3.7	4.2	37	59	17.0
BR-603048	900	60	3.7	6.0	30	48	18.0
BR-102540	950	55	3.7	10.0	25	40	19.0
BR-623048	960	55	3.7	6.2	30	48	19.2
BR-523450	1000	55	3.7	5.2	34	50	20.0
BR-723048	1100	80	3.7	7.2	30	48	22.0
BR-603450	1150	80	3.7	6.0	34	50	23.0
BR-902360	1200	50	3.7	9.0	23	60	24.0

Model	Capacity Nominal (mAh)	Internal Resistance (Ω)	Voltage (V)	Dimension			Weight Appro (g)
				Thickness (smm)	Width (+0.5mm)	Length (+0.5mm)	
BR-802755	1250	75	3.7	8.0	27	55	25.0
BR-504060	1250	50	3.7	5.0	40	60	25.0
BR-753450	1300	65	3.7	7.5	34	50	26.0
BR-455058	1350	75	3.7	4.5	50	58	27.0
BR-903048	1400	60	3.7	9.0	30	48	28.0
BR-653850	1450	50	3.7	6.5	38	50	29.0
BR-903448	1500	50	3.7	9.0	34	48	30.0
BR-555152	1550	65	3.7	5.5	51	52	31.0
BR-803847	1650	45	3.7	8.0	38	47	33.0
BR-406063	1700	65	3.7	4.0	60	63	34.0
BR-953450	1800	65	3.7	10.0	34	50	36.0
BR-903562	2000	44.5	3.7	9.0	35	62	40.0
BR-103450	2000	38.5	3.7	10.0	34	50	40.0
BR-113450	2100	45.5	3.7	11.0	34	50	42.0
BR-103560	2200	64.5	3.7	10.0	35	60	44.0
BR-953759	2300	66.5	3.7	9.5	37	59	46.0
BR-904057	2450	45	3.7	9.0	40	57	49.0
BR-124057	2600	45	3.7	12.0	40	57	52.0
BR-754760	2700	45.5	3.7	7.5	47	60	54.0
BR-366484	2800	40.5	3.7	3.6	64	84	56.0
BR-505590	2900	40.5	3.7	5.0	55	90	58.0
BR-904466	3000	40.5	3.7	9.0	44	66	60.0
BR-605080	3100	40	3.7	6.0	50	80	62.0
BR-755070	3500	40	3.7	7.5	50	70	70.0
BR-105551	3600	40	3.7	10.0	55	51	72.0
BR-104270	3700	37	3.7	10.0	42	70	74.0
BR-606085	3900	36	3.7	6.0	60	85	78.0
BR-805080	4000	36.5	3.7	8.0	50	80	80.0
BR-805590	5100	33	3.7	8.0	50	90	102.0
BR-906090	6100	34.5	3.7	9.0	60	90	122.0
BR-8065113	8000	33	3.7	7.5	65	113	160
BR-50100153	10500	30	3.7	5.0	100	153	210.0



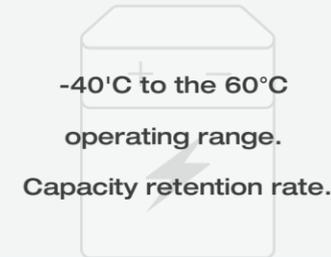
SPECIAL AREA USING



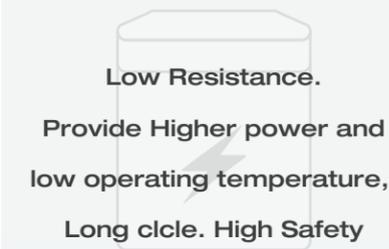
HIGH TEMPERATURE BATTERY



LOW TEMPERATURE BATTERY



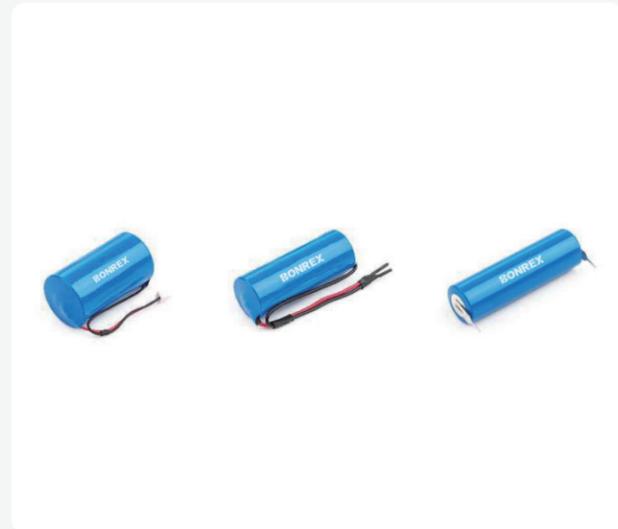
HIGH DRAIN BATTERY



FAST CHARGE BATTERY



LISOCCL2 BATTERY



Type	Shape	Model	Dimension (pmm×mm)	Nominal Voltage (V)	Terminator Voltage (V)	Capacity (mAh)	Max Constant Current (mA)	Weight (g)
Bobbin Type	1/2AA	ER14250	14.5 × 25.4	3	2	1200	25	11
	2/3AA	ER14335	14.5 × 33.5	3	2	1650	40	13
	AA	ER14505	14.5 × 50.5	3	2	2700	50	19
	2/3AA	ER17335	17.0 × 33.5	3	2	2200	100	19
	A	ER18505	18.5 × 50.5	3	2	4000	100	32
		ER26500	26 × 50.0	3	2	9000	150	55
	cC	ER261020	26.2 × 102.0	3	2	17000	200	100
	D	ER34615	34.0 × 61.5	3	2	19000	230	107
	DD	ER341245	34.0 × 124.5	3	2	35000	400	220
		ER9V	17 × 26.5 × 48.8	10.8	6	1200	25	34
Spiral	1/2AA	ER14250M	14.5 × 25.5	3.6	2	800	100	11
	2/3AA	ER14335M	14.5 × 33.5	3.6	2	1300	200	15
	AA	ER14505M	14.5 × 50.5	3.6	2	2200	400	19
	2/3A	ER17335M	17.0 × 33.5	3.6	2	1900	400	19
	A	ER18505M	18.5 × 50.5	3.6	2	3500	1000	32
	c	ER26500M	26.2 × 50.0	3.6	2	6500	1500	55
	D	ER34615M	34.0 × 61.5	3.6	2	14500	2000	110

Key Features:

1. High and Stable Voltage: The nominal voltage is 3.6V, and the stability is excellent
2. Wide range of temperature: -60°C-85°C
3. Low Self-discharge rate: 1-2%/year under normal temperature conditions
4. High Energy density: the energy density of 650Wh/kg+
5. Safe and more reliable: Meet UN transportation regulations

Application:

Such as cordless phones, digital cameras, laptops, portable DVDs, IC card terminals, electronic door locks, electric toys, power tools, emergency lighting equipment, alarm systems, medical instruments, communication equipment, wireless microphones, instruments and meters PLC- CPU- CNC machine tools, water meters, electricity meters, gas meters

3.2V LITHIUM IRON PHOSPHATE BATTERY (LIFEPO4)



Model	Standard Voltage (V)	Capacity (mAh)	Diameter	Height	Standard Charging Current (mA)	Fast Charging Current (mA)	Standard Discharging Current (mA)	Max Discharging Current (mA)	End-of-charge voltage (V)	End-of-discharge voltage (V)	Weight (g)	Cycle life DOD 80%
IFR14500	3.2	600	14.2	50.2	120	600	120	1800	3.65	2	18	≥ 2000
IFR18500	3.2	1000	18.1	50.2	200	1000	200	3000	3.65	2	34	≥ 2000
IFR18650	3.2	1500	18.5	65.3	300	1500	300	4500	3.65	2	42	≥ 2000
IFR18650	3.2	1800	18.5	65.3	360	1800	360	5400	3.65	2	44	≥ 2000
IFR18650	3.2	2000	18.5	65.3	400	2000	1000	6000	3.65	2	45	≥ 2000
IFR18650	3.2	2200	18.5	65.3	440	2200	2200	6600	3.65	2	48	≥ 2000
IFR26650	3.2	3000	26.5	65.3	600	3000	600	9000	3.65	2	85	≥ 2000
IFR26650	3.2	3200	26.5	65.3	640	3200	640	9600	3.65	2	88	≥ 2000
IFR26650	3.2	3400	26.5	65.3	680	3400	380	10200	3.65	2	90	≥ 2000
IFR32650	3.2	4500	32.3	65.2	900	4500	900	13500	3.65	2	138	≥ 2000
IFR32700	3.2	6000	32.4	70.1	3000	6000	3000	18000	3.65	2	145	≥ 2000
IFR32700	3.2	6200	32.4	70.1	3100	6200	3100	18600	3.65	2	148	≥ 2000

Key Features:

1. An excellent thermal stability and charging performance at high temperatures (up to 70°C degree)
2. Extremely low self-discharge rate
3. Over 2,000 times cycle life
4. Safe and reliable
5. No dissipation or memory effect
6. Environmental friendly, No toxic heavy metals and no carcinogens
7. Multiple park configurations available for all cells models

Application:

Emergency lighting, Personal care, Testing equipments, Portable lamps, UPS Solar and wind, Telecoms, Electric vehicles

LITHIUM ION BATTERY

Rechargeable lithium ion (li-ion) cells have a negative electrode (anode) made from lithium compounds, Lithium is a highly reactive material and is much lighter than the hydrogen-absorbing metal alloy of the NiMH negative electrode. This leads to higher gravimetric energy densities for the Li-ion cell. Cells can stay in storage for 12 months without requiring maintenance.

The expected cycle life of a Li-ion in an application is about 1000 cycles



Model	Capacity Nominal (mAh)	Internal Resistance (Ω)	Voltage (V)	Life Cycle	Dimension		Weight Approx.g
					Diameter(mm)	Length(mm)	
BR -14500	800	70	3.7	≥ 500	14.5	50.5	16.0
BR -14650	1600	60	3.7	≥ 500	14.5	65.5	32.0
BR -18350	1100	50	3.7	≥ 500	18.5	35.5	22.0
BR -18500	2000	40	3.7	≥ 500	18.5	50	40.0
BR -18650	2000	40	3.7	≥ 500	18.5	65.5	40.0
BR -18650	2200	40	3.7	≥ 500	18.5	65.5	44.0
BR -18650	2500	30	3.7	≥ 1000	18.5	65.5	50.0
BR -18650	2600	30	3.7	≥ 1000	18.5	65.5	52.0
BR -18650	3000	30	3.7	≥ 1000	18.5	65.5	60.0
BR -18650	3300	30	3.7	≥ 1000	18.5	65.5	66.0
BR -18650	3500	30	3.7	≥ 1000	18.5	65.5	40.0
BR -18650	4000	30	3.7	≥ 600	18.5	65.5	40.0
BR -21700	4000	30	3.7	≥ 800	21.5	70.5	80.0
BR -21700	4500	30	3.7	≥ 800	21.5	70.5	90.0
BR -21700	5000	30	3.7	≥ 800	21.5	70.5	100.0
BR -21700	6000	30	3.7	≥ 600	21.5	70.5	120.0
BR -26650	5000	50	3.7	≥ 800	26.5	65.5	100.0

Key Features:

1. High energy density, high and stable operating voltage, with average voltage over 3.7V.
2. High safety.
3. Long cycle life over 1000 times
4. With automatic production, the consistency of the battery is ensured and suit for series-parallel assembly.

Application:

Bluetooth Keyboard, Auto electronics, GPS, Digital products, Toys Portable DVD, Tablet PC, POs machine, PDA, Power bank, Medical device, Electric bike, Electric scooter, Security Products, etc

LI-ION BATTERY

1000
Cycle Life

Capacity
Retention
>80%



BUTTON CELL BATTERY



Normal Button cell Battery				
Model	Max.Size	Voltage(v)	Capacity (mAh)	Weight(g)
CR2032	20.0*3.2mm	3.0	210	3.1g
CR2032	20.0*3.2mm	3.0	220	3.1g
CR2032	20.0*3.2mm	3.0	240	3.2g
CR2025	20.0*2.5mm	3.0	150	2.4g
CR2016	20.0*1.6mm	3.0	75	1.6g
CR1632	16.0*3.2mm	3.0	120	1.6g
CR1225	12.5*2.5mm	3.0	50	0.9g
CR1220	12.5*2.0mm	3.0	40	0.8g
CR2450	24.5*5.0mm	3.0	550	6.2g
CR2477	24.5*7.7mm	3.0	1000	10.0g

Wide Temperature Button Battery cell				
Model	Max.Size	Voltage(v)	Capacity (mAh)	Operating Temperature
CR2450H	24.5*5.0mm	3.0	550	-40°C ~ 85°C
CR2450HR	24.5*5.0mm	3.0	550	-40°C ~ 125°C
CR2032L	20.0*3.2mm	3.0	200	-40°C ~ 85°C
CR2032HR	20.0*3.2mm	3.0	200	-40°C ~ 125°C

Key Features:

1. Stable 3.0V Output
 - Nominal 3.0V (IEC-compliant) with minimal voltage drop, ideal for precision devices like glucose meters.
2. Wide Temperature Range
 - Reliable in Arctic sensors or engine heat.
3. Ultra-Low Self-Discharge
 - Loses 1%/year, retains >90% capacity after 10 years for backup systems.
4. High Energy Density
 - 240-280 Wh/kg powers microdevices (e.g., RFID tags) for 10+ years.
5. Eco-Safe & Robust
 - Mercury-free, leakproof design, withstands humidity and pressure.

Application:

Smartwatches/Fitness Trackers, Wireless Bluetooth Earbuds, Car Key Fobs, TPMS Sensors, Smart Door Locks, Glucose Meters/Digital Thermometers, Calculators/Electronic Dictionaries, LED Portable Lights, Computer Motherboards, Industrial Sensors, RFID Tags, Wearable Medical Devices, Digital Scales, Vehicle GPS Trackers, Smart Utility Meters, Security Alarms, Drone Controllers, Electronic Musical Instruments, Portable POS Terminals, Agricultural IoT Sensors, Smart Card Terminals, Electronic Pet Toys, Laser Pointers, Hearing Aids, Handheld Barcode Scanners, Electronic Shelf Labels, Smart Glasses, Environmental Monitoring Stations, Electronic Voting Systems, Wearable Health Monitors etc.

CERTIFICATION

Bonrex have a strong R&D team from famous Universities and Scientific Research Institutions. With their Solid knowledge Background and rich experience in battery industry enable Bonrex to develop the latest products in a timely and cost effective way to meet the market demand and create the value products.



BONREX TECHNOLOGY Co.,LTD is the leading battery manufacturer in China mainland, who focus on Li-polymer, Li-ion LiSoCL2, and LiMnO2 batteries, including PCM, our batteries passed by UL, CE, ROHS, IEC, KC and CB certifications.



MSDS



RoHS

UN38.3



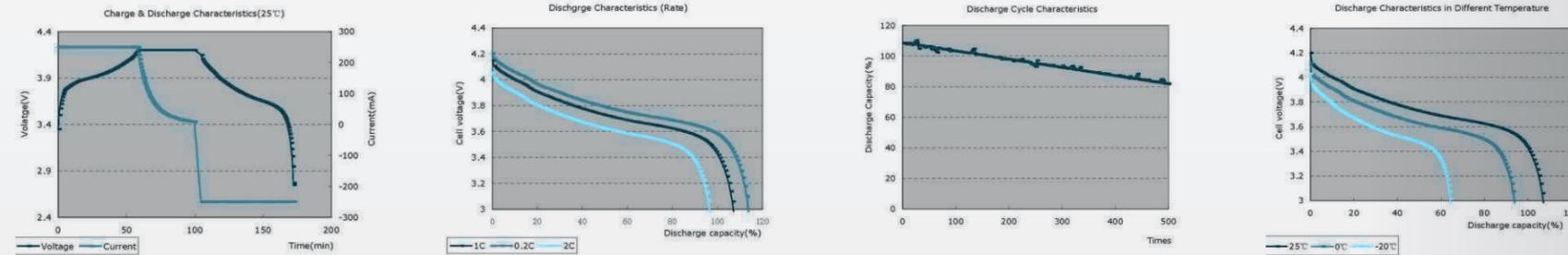
PERFORMANCE CURVES



ENERGY EXPERT AND ENERGY SOLUTIONS TO CREATE VALUE.



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Above charts are test data from our products. It is for reference only and not for inspection standard. Please contact Bonrex for specific technical data.