

Cylindrical Battery Cell

- ✓ High rate discharge
- ✓ Wide temperature range
- ✓ Inherently safe Na-ion



Rated Capacity	2.0Ah	2.5Ah	3.0Ah	3.5Ah	3.5Ah	4.5Ah	4.5Ah	7Ah	10Ah
Cathode Material System	TMO	TMO	NFPF	TMO	TMO	TMO	TMO	NFPF	TMO
Nominal Voltage	3V	3V	3V	3V	3V	3V	3V	3V	3V
Maximum Continuous Charge/Discharge Rate	6C/20C	6C/20C	4C/10C	3C/20C	3C/20C	3C/20C	6C/20C	6C/20C	6C/20C
Maximum Instantaneous Discharge Current at RT (3.65V, 3s)	75C	65C	60C	50C	50C	40C	45C	70C	50C
Operating Temperature (Charge/Discharge)	-10°C~75°C -40°C~75°C	-15°C~75°C -40°C~75°C	-10°C~75°C -40°C~75°C	-10°C~75°C -40°C~75°C	-10°C~75°C -40°C~75°C	-10°C~75°C -40°C~75°C	-15°C~75°C -40°C~75°C	-10°C~75°C -40°C~75°C	-20°C~75°C -40°C~75°C
Weight	71g	74g	120g	120g	123g	127g	125g	220g	225g
Dimensions (DxL)	26*65mm	26*65mm	32*70mm	32*70mm	32*70mm	32*70mm	32*70mm	33*140mm	33*140mm
25°C 3C Cycle Life	≥2000 times	≥3000 times	≥3000 times	≥2000 times	≥2000 times	≥2000 times	≥3000 times	≥3000 times	≥3000 times
/ 25°C Pulse Cycle Life	≥20000 times	≥20000 times	≥20000 times	≥20000 times	≥20000 times	≥20000 times	≥20000 times	≥50000 times	≥40000 times
Features	Ultra-High-Rate 3C Cycling at -10° C	Ultra-High-Rate 3C Cycling at -15° C	High-Safety 1C Cycling at -10° C	Ultra-High-Rate 1C Cycling at -10° C	High-Rate 1C Cycling at -10° C	High-Rate 1C Cycling at -10° C	Ultra-High-Rate 3C Cycling at -15° C	High-Safety 1C Cycling at -10° C	Ultra-High-Rate 3C Cycling at -20° C

Core Applications: Starting Power, Light-Duty Power, Energy Storage, Power Tools & Industrial Equipment, Consumer Electronics & Portable Devices, and Special & Backup Power

Prismatic Battery Cell

- ✓ Long life
- ✓ Low internal resistance
- ✓ Custom PACK available



Nominal Capacity	150Ah	170Ah	50Ah	50Ah	50Ah
Cell type	NFPF	NFPF	NFPF	NFPF	NFPF
Nominal Voltage	2.85V	2.85V	2.85V	2.85V	2.85V
Maximum continuous charging/discharging rate	1C/2C	1P/1.5p	2C/7C	1C/6C	2C/7C
Work temperature (charging/discharging)	-20°C < T ≤ 45°C -40°C ≤ T < 50°C	0°C < T ≤ 55°C -40°C ≤ T < 60°C	0°C ≤ T ≤ 55°C -40°C ≤ T < 60°C	-20°C ≤ T ≤ 60°C -40°C ≤ T < 60°C	-10°C ≤ T ≤ 60°C -40°C ≤ T < 60°C
Weight	4.8kg	4.8kg	1.8kg	1.8kg	1.8kg
Size	173 * 72 * 207mm	173 * 72 * 207mm	160 * 50 * 119mm	160 * 50 * 119mm	160 * 50 * 119mm
Cycle life	>6000times	>8000times	>8000times	>3000times	>4000times

Core Applications: Energy Storage (Utility-Scale / C&I / Residential), Grid Frequency Regulation, Backup Power, Special Power Supplies, and Low-Speed Vehicle Power

➤ Sodium-ion Starter Battery

- ✔ *Ultra-low temp start: Starts at -30℃, charges at -20℃*
- ✔ *High safety: Inherently non-flammable Na-ion + smart BMS*
- ✔ *Wide compatibility: Motorcycles / ATV / Snowmobile / Generator / Tractor*

Compatible Models:

Street bike / Race replica / Cruiser / Rally / Snowmobile / ATV / UTV / General machinery



Green Label Series-Economy Edition (Charging at Room Temperature)

Parameter model	E70-X4-L	E70-X5-L	E70-N5-L	E90-X5-L	E90-X7-L	E90-T7-R	E130-X5-L	E130-X7-L	E130-T7-R	E130-X9-R	E180-X9-R	E180-X12-R	E240-X9-R	E240-X12-R
Nominal voltage (V)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Nominal capacity (Ah)	2	2	2	3.5	3.5	3.5	4.5	4.5	4.5	4.5	7	7	9	9
Operating temperature range (℃)	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75
25±2℃ CA (A)	100	100	100	122.5	122.5	122.5	135	135	135	135	245	245	270	270
-18±2℃ CCA(A)	50	50	50	52.5	52.5	52.5	67.5	67.5	67.5	67.5	105	105	135	135
Polar	- +	- +	- +	- +	- +	+ -	- +	- +	+ -	+ -	+ -	+ -	+ -	+ -
Dimension sheet (mm)	115×70×86	115×70×110	120×60×128	115×70×110	115×70×130	150×85×95	115×70×110	115×70×130	150×85×95	150×85×105	150×85×105	150×85×130	150×85×105	150×85×130



Blue Label Series-High Rate (Room Temperature Charging)

Parameter model	HB70-X4-L	HB70-X5-L	HB70-N5-L	HB90-X5-L	HB90-X7-L	HB90-T7-R	HB130-X5-L	HB130-X7-L	HB130-T7-R	HB130-X9-R	HB180-X9-R	HB180-X12-R	HB240-X9-R	HB240-X12-R
Nominal voltage (V)	12	12	12	12	12	12	12	12	12	12	12	12	12	12
Nominal capacity (Ah)	2	2	2	3.5	3.5	3.5	4.5	4.5	4.5	4.5	7	7	9	9
Operating temperature range (℃)	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75	0~75
25±2℃ CA (A)	100	100	100	122.5	122.5	122.5	135	135	135	135	245	245	270	270
-18±2℃ CCA(A)	50	50	50	52.5	52.5	52.5	67.5	67.5	67.5	67.5	105	105	135	135
Polar	- +	- +	- +	- +	- +	+ -	- +	- +	+ -	+ -	+ -	+ -	+ -	+ -
Cell balancing	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Dimension sheet (mm)	115×70×86	115×70×110	120×60×128	115×70×110	115×70×130	150×85×95	115×70×110	115×70×130	150×85×95	150×85×105	150×85×105	150×85×130	150×85×105	150×85×130



Silver Label Series-Ultra-High Rate Low-Temperature Model (Low-Temperature Charging)

Parameter model	UB110-X4-L	UB110-X5-L	UB150-X5-L	UB150-X7-L	UB150-T7-R	UB180-X5-L	UB180-X7-L	UB180-T7-R	UB300-X9-R	UB300-X12-R	UB360-X9-R	UB360-X12-R
Nominal voltage (V)	12	12	12	12	12	12	12	12	12	12	12	12
Nominal capacity (Ah)	2.5	2.5	3.5	3.5	3.5	4.5	4.5	4.5	7	7	9	9
Operating temperature range (℃)	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75	-20~75
25±2℃ CA (A)	110	110	140	140	140	180	180	180	280	280	360	360
-18±2℃ CCA (A)	50	50	70	70	70	90	90	90	140	140	180	180
Polar	- +	- +	- +	- +	+ -	- +	- +	+ -	+ -	+ -	+ -	+ -
Cell balancing	√	√	√	√	√	√	√	√	√	√	√	√
Dimension sheet (mm)	115×70×86	115×70×110	115×70×110	115×70×130	150×85×95	115×70×110	115×70×130	150×85×95	150×85×105	150×85×130	150×85×105	150×85×130

➡ Supports customization and flexible battery capacity scaling to meet customer needs