

# BAK Electric Ship Lithium Battery Products

BAK provides safe and reliable marine electrification solutions. Its prismatic battery products have been awarded the Type Approval Certificate by the China Classification Society (CCS).



Electric Ship  
Lithium Battery  
Products

## Application Scenarios

Mainly used in sightseeing  
boats, lifeboats, etc.

Product Model	BTESF 51.2V 100Ah
Rated Voltage	51.2V
Rated Energy	5.12KWh
Max. Charging Voltage	58.4V
Max. Charging Current	100A
Discharge Cut-off Voltage	43.2V
Max. Discharging Current	100A
Size	1240*300*105mm
Weight	48Kg
Protection Rating	IP67
Discharge Operating Temperature	-20~55°C
Charge Operating Temperature	0~55°C

# BAK Prismatic Lithium Battery Platform



STORE FOR A  
CLEANER FUTURE

Not limited to long-cycle LFP prismatic series, BAK is developing other material prismatic lithium batteries.

**LFP Battery**

**Na<sup>+</sup> Battery**

**LFMP Battery**

**NCM Battery**

# BAK Prismatic LFP Battery Series



	<u>LFP2714897</u>	<u>LFP3914895</u>	<u>LFP5016016</u>	<u>LFP40220112</u>	<u>LFP50160116</u>
Capacity (Ah)	33	50/60	85	100	100
Nominal Voltage (V)	3.2	3.2	3.2	3.2	3.2
Operating Voltage (V)	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )
Nominal Energy (Wh)	105.6	160/192	272	320	320
Charge/Discharge Current (A)	16.5 / 16.5	50 / 50	42.5 / 42.5	50 / 50	50 / 50
Cycle Life	>2000 (1C/6C)	>4000 (0.5C/0.5C)	>2000 (1C/4C)	>4000 (0.5C/0.5C)	>4000 (0.5C/0.5C)
Dimensions (W*D*H,mm)	27.5*148.4*98.3	39.7*149.1*95.7	49.5*160.8*115.2	40.5*220.5*112.0	49.5*160.8*115.2

# BAK Prismatic LFP Battery Series



	<u>LFP60220112</u>	<u>LFP54173204</u>	<u>LFP71173207</u>		
Capacity (Ah)	150	230	280	314	345
Nominal Voltage (V)	3.2	3.2	3.2	3.2	3.2
Operating Voltage (V)	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )	2.0-3.65 ( $\leq 0^{\circ}\text{C}$ ) 2.5-3.65 ( $> 0^{\circ}\text{C}$ )
Nominal Energy (Wh)	480	736	896	1004.8	1104
Charge/Discharge Current (A)	75 / 75	230 / 230	0.5P / 0.5P	0.5P / 0.5P	0.5P / 0.5P
Cycle Life	>4000 (0.5C/0.5C)	>3000 (1C/1C)	>10000 (0.5P/0.5P, 70%SOH)	>10000 (0.5P/0.5P, 70%SOH)	>10000 (0.5P/0.5P)
Dimensions (W*D*H,mm)	60.5*221.1*112.4	54.3*174*204.6	71.5*174.7*204.1	71.5*174.7*204.1	71.5*174.7*204.1

# BAK Prismatic Na+ Battery Series



	<u>3914895-Na+</u>	<u>50160116-Na+</u>	<u>71173204-Na+</u>
Capacity (Ah)	45	75	180
Nominal Voltage (V)	3	3	3
Operating Voltage (V)	1.2-3.95 ( $\leq 0^{\circ}\text{C}$ ) 1.5-3.95 ( $> 0^{\circ}\text{C}$ )	1.2-3.95 ( $\leq 0^{\circ}\text{C}$ ) 1.5-3.95 ( $> 0^{\circ}\text{C}$ )	1.2-3.95 ( $\leq 0^{\circ}\text{C}$ ) 1.5-3.95 ( $> 0^{\circ}\text{C}$ )
Nominal Energy (Wh)	135	225	540
Charge/Discharge Current (A)	22.5 / 22.5	37.5 / 37.5	90 / 90
Cycle Life	>3000 (0.5C/0.5C)	>3000 (0.5C/0.5C)	>10000 (0.5C/0.5C)
Dimensions (W*D*H,mm)	39.7*149.1*95.7	49.9*160.8*115.2	71.7*174.0*204.6