



Bexel Corporation is the leading energy innovation company and the only battery brand in Korea that has grown with the development of the domestic battery industry in 1978. We produce Alkaline, Zinc-Carbon, Nickel-Metal Hydride, Lithium-ion, Industrial battery, Military battery pack and Rechargeable battery through strict raw material selection and quality control system. Based on our innovative battery technology and quality, we are doing business in energy related devices such as Portable Energy Solution (Portable Battery, EV Charger, ESS, etc.), Personal Mobility (e-Bike, e-Scooter, etc.) and other new businesses such as Visual Display (UHD TV, etc.) that will be a future growth engine.

Overview

Company	Bexel Corporation	CEO	Hun-Jin Park (Patrick)
Business Field	Primary & Secondary Battery Manufacturing and Smart Device	Establishment	March 1978
Revenue	KRW 61.6 Bil.	Total Assets	KRW 56.2 Bil.
Locations	Head Office 168, Sanho-daero, Gumi-City, Kyung-Buk, Korea Seoul Office 2Fl, SM R&D Center, 78, Magokjungang 8-ro, Gangseo-gu, Seoul, Korea	Capital	KRW 3.0 Bil.

History

2019	Lithium-ion battery pack for e-mobility, Power bank & Mobile Accessories, Wireless Vacuum Cleaner, e-Scooter (YOLO), OPP Tape Launch
2018	18650 Charger Launch, Dust Mask Launch
2017	Safety gloves, Flashlight Launch
2016	UHD TV Launch, Electric Two Wheel Board, Electric Bike Launch
2015	Power bank <QUANTUM> Launch
2014	Named as the grand prix winner of the Most Trusted Brand Awards
2013	Named as the grand prix winner of the GMA (Global Marketing Awards), Obtained CCM (Consumer Centered Management) Named as the grand prix winner of the Most Trust Brand Awards
2012	Ranked top in the Korea Satisfaction Consumer Index Approved JIS (Japanese Industrial standard) Certification
2011	Achieved Defense Quality Management System certification (Defense Agency for Technology & Quality)
2010	Awarded the grand prix from 13th Gyeongsangbuk-do Industry and Peace Prize Award, Named as an innovative-company (INNO-BIZ) Obtained ISO 14001:2004 (KSA), Obtained GMS from the Small & Medium Business Administration (SMBA)
2009	Exported Manganese Plant to China Manufactured lithium-ion battery for military satellite communication receiver Developed and produced portable battery for agricultural equipment, Developed Korea's first special lithium-ion secondary battery pack
2008	Received Presidential Award (Gold Award) in 32nd National Quality Competition
2006	Awarded the 10th Korea High-Quality Company Ministry of Industry Award Merged with Samla Midas Group
1999	Founded Bexel Corporation; & established technology research center
1997	Established joint-venture battery company with Gold Peak Group in China Exported alkaline battery manufacturing plant (China, HMBL) Developed a cylindrical lithium-ion battery for electric vehicle
1996	Strategically allied with Duracell Korea in the domestic market
1995	Acquired ISO 9002 Quality management system certification
1988	Developed a cadmium-free battery Established battery R&D center Began manufacturing and marketing alkaline batteries
1983	Opened Gumi battery plant
1978	Began manufacturing and selling alkaline / manganese batteries



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TOTAL BATTERY SOLUTION

A future-leading energy innovator, Bexel is manufacturing primary (Alkaline, Zinc-Carbon, and more) and secondary (Nickel-metal hydride, Lithium-ion, and industrial and military battery packs) batteries of high quality as the only Korean battery brand. Our innovative technology provides portable energy solutions and drives us the future growth engine of Bexel including personal mobility battery packs and visual displays.



SM Group and Bexel pursue customer satisfaction and coexistence management.

SM Group is a major company with KRW 8,616 billion assets consisting of over 70 businesses in the construction, manufacture and shipping industry as well as service and leisure fields. Bexel Corporation. has grown as a part of the group since 2005 and created stable income as a major manufacturing subsidiary. It is also making ceaseless efforts to improve its competitiveness through product development, service quality improvement and technical research and development (R&D).

Vision

Creative and challenging of Young Enterprises

SM Group's corporate culture goal is to create a young, enthusiastic company that challenges our employees with entrepreneurial dreams and motivation.

Technology and Innovation of Changing Enterprises

Our goal is to be a changing enterprises that creates the best products and services through continuous research and technology development, and does not fear innovation and change.

With customer satisfaction and trust of Trusted Enterprises

SM Group, which has been acknowledged for its eco-friendly products and the best quality, is aiming at companies that place importance on faith and trust with customers.

Affiliated Companies

Manufacture

BEXEL	TK CHEMICAL	SM LIFE SCIENCE
NAMSUN ALUMINUM	NAMSUN ALUMINUM Automotive parts	KNWOOL TEXTILE GMB Department
KNWOOL TEXTILE KTCeramic Department	SM HEAVY INDUSTRIES	SM HIGH TECH
SHINKWANG	SHINKWANG HI-METAL	SM CHEMICAL
SM CHEMICAL Automotive parts	HANDUK IRON MINE & CONSTRUCTION	SEOULIM HIGHPACK

Construction

KEANGNAM ENTERPRISES	SAMWHAN CORPORATION	WOOBANG
DONGAH CONSTRUCTION	WOOBANG INDUSTRIAL	SAMRA
TAEKIL CORPORATION	SM LINE CONSTRUCTION SECTION	TK CHEMICAL CONSTRUCTION SECTION

Shipping Industry

KOREA LINE Corporation	KOREA SHIPPING Corporation	SM LINE Corporation
KLCSM	KOLICO	SM LINE GWANGYANG TERMINAL
SM LINE GYEONGIN TERMINAL	KOMARF	

Service · Leisure

SM HIPLUS	SM CREDIT INFORMATION	HOTEL TOPS 10
VILLA DE AEWOL	OXFIELD C.C	APPLE VALLEY C.C
Donggang Cistar		

Alkaline

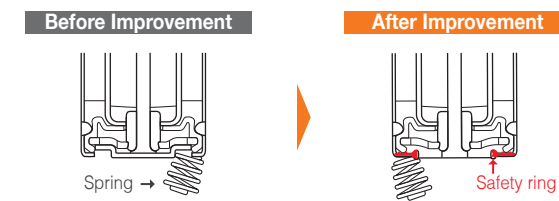
■ Korea No. 1 Battery Company ■

- Applicable to Electronics, Flashlights, Door-lock, Toys, and other electric devices
- Prevent external short circuit and leakage with inserted safety rings
- Mercury-Free & Cadmium-Free



Safety Ring (First Developed in Korea)

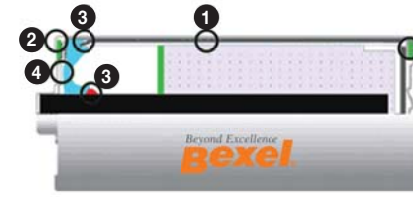
Prevent leakages due to external short circuit, which takes 50% of customer complaints



Zinc-Carbon

■ An eco-friendly battery made out of ivory material ■

- Free of mercury, cadmium, and heavy metals
- Double sealing to prevent leakage



- 1 An eco-friendly and cadmium-free anode material
- 2 An eco-friendly IVORY materials
- 3 Double sealing to prevent leakage
- 4 Structured vents to emit gas

High-Performance Alkaline

■ Long-lasting and high performance of Alkaline Battery ■

- Lasts up to 64% battery life than our other alkalines (for digital camera conditions)
- Free of mercury and cadmium
- For high-output devices including digital camera flashlights and audios



“ Bexel Platinum Battery lasts up to 64% or longer ”



Nickel Hydride Rechargeable

■ Eco-Friendly and High-Quality Battery ■

- Rechargeable over 1,000 cycles : Purchase 1 rechargeable battery instead of 1,000 normal ones
- Ready-made / Energy preservation for up to 1 year after charging
- Five times longer battery life than our alkalines (for digital camera conditions)



“ Five times longer battery life Rechargeable over 1,000 cycles ”



Li-Ion Battery

■ Power Up, Safety Up, 1S1P ■

- Applicable to a flashlight, handheld fan, auxiliary battery, and more
- Built-in Bexel cells for quality and safety
- Safety circuit design : Prevents overcharge, overdischarge, and short circuit



Product	Bexel 18650 2600mAh	Bexel 18650 3000mAh
Capacity	2600mAh	3000mAh
Voltage	3.7V	3.7V
Height	65.2mm ± 0.15mm	65.2mm ± 0.15mm
Diameter	18.35 ± 0.1mm	18.35 ± 0.1mm
Circumference	63mm	63mm
Weight	55g	55g
Charging Temperature	0°C to 45°C	0°C to 45°C
Discharging Temperature	-20°C to 60°C	-20°C to 60°C



■ Upgradable 18650 Cell ■

- Available energy and power types
- Customizable battery pack capacity for different applications

Product	Capacity (Ah)	Height (mm)	Diameter (mm)	IR (mΩ)	Weight (g)	Type	Maximum Discharge
BX2000SP01	2.0	65.5	18.5	≤18	46	Power	20A
BX2600SP01	2.6	65.5	18.5	≤18	46	Power	13A
BX2600SE01	2.6	65.5	18.5	≤55	45	Energy	5A
BX3000SP01	3.0	65.5	18.5	≤18	48	Power	15A
BX3000SE01	3.0	65.5	18.5	≤40	45	Energy	6A



■ LED Flashlight + 18650 Li-Ion Battery ■

- Powerful 18650 Li-Ion Battery for 1,200 lumens or higher brightness
- Exclusive for 18650 1S1P, self-rechargeable
- Compact size and lightweight for improved portability

Product / Model	RECHARGEABLE / BFL-3B
Lumen / Distance	1,200 lm / 100-200m
Type	18650 Battery
Duration	13hr for LOW mode
Size / Weight	127mm X 28mm X 26mm / 78g
Components	Flashlight, USB charging cable, and handstrap
Remarks	Charging function



■ Cylinder Type ■

- High energy density / High C-rate / high stability
- Customizable battery pack capacity for different applications

Product	Capacity (Ah)	Height (mm)	Diameter (mm)	IR (mΩ)	Weight (g)	Type	Maximum Discharge
BX34600	6.5	60	34	≤35	140	Energy	10A
BX33550	5.5	55	33	≤35	120	Energy	10A
BX33500	5.0	50	33	≤35	100	Energy	10A



A Pouch-Type Battery

- Ability to manufacture battery packs for various applications with various capacities



Product	Capacity (Ah)	Width (mm)	Height (mm)	IR (mΩ)
414661	1.3	4.1	46	≤60
7030100 / 555571	2.45 / 2.5	30 / 5.5	100 / 55	≤40
4850103 / 625092 / 606090	3 / 3.3 / 3.9	4.8 / 6.2 / 6.0	50 / 50 / 60	≤40
5260105 / 705896	4 / 4.8	5.2 / 7.0	60 / 58	≤40
5564113	5	5.5	64	≤40
6066121	6 / 6.7	6.0	66	≤40
7566121	7 / 7.5	7.5	66	≤40
8366121	8	8.3	66	≤40
8559156	9	8.5	59	≤40
BX158309	20-50	158	309	≤1.0
BX265295	40-75	265	295	≤1.0

Battery Pack

- The best solution for high-capacity applications including energy storage systems (ESS) and electric vehicle (EV)



Product	Capacity of Battery Pack	Voltage (V)	Capacity (Ah)	Size (mm)	Weight (kg)
1kWh ESS / UPS Battery	1kWh	33.6	40	W345 X H165 X L140	6.8
3kWh ESS / UPS Battery	3kWh	67.2	50	W330 X H266 X L160	21
16kWh EV Battery	16kWh	288	60	W1400 X H950 X L240	230

Lithium Iron Phosphate Battery

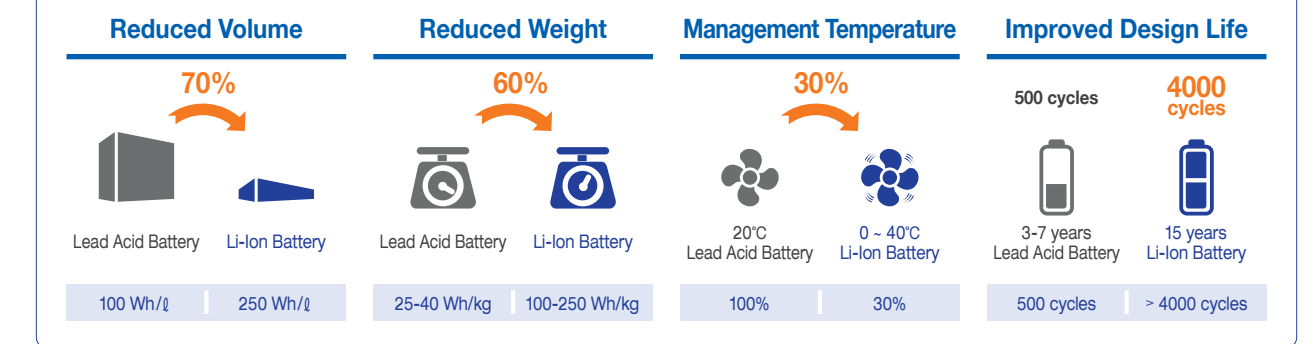
- Excellent life cycle and safety

Product	Capacity (Ah)	Height (mm)	Diameter (mm)	IR (mΩ)	Maximum Discharge
LFP26650	3.4	65	26	≤20	2C
LFP32650	5.5	65	32	≤25	1C

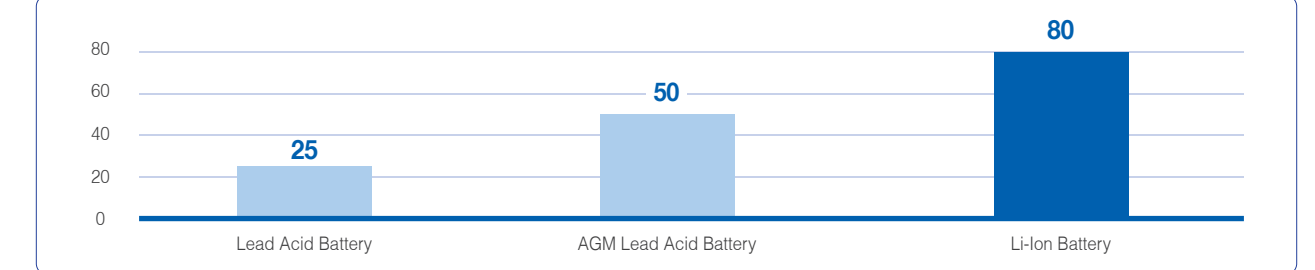
High-Performance Startup Battery

- Lightweight with higher output and density than lead batteries
- Applicable in -20~60°C
- Long-lasting semipermanent use until the car is changed

[Comparison of Lead acid battery and Li-Ion Batteries]



[Depth of Discharge (DOD), %]



Product	Start-Up Battery
Cell Type	Pouch
Pack	4S
Capacity (Ah)	40
Average Voltage (V)	13.2
Working Voltage (V)	12.8-16.8
Weight (Kg)	10.5
Working Temperature (°C)	-20 to 60±1

