



BULLET[®]
AUTOMOTIVE BATTERY CATALOGUE



I History Of Company

Global Battery Company, Hankook & Company



Pioneer in the Domestic Battery Industry

Development of the first MF battery in Korea in 1982. Hankook & Company is a pioneer in the battery industry challenging the quality and quantitative growth of the battery industry in Korea.

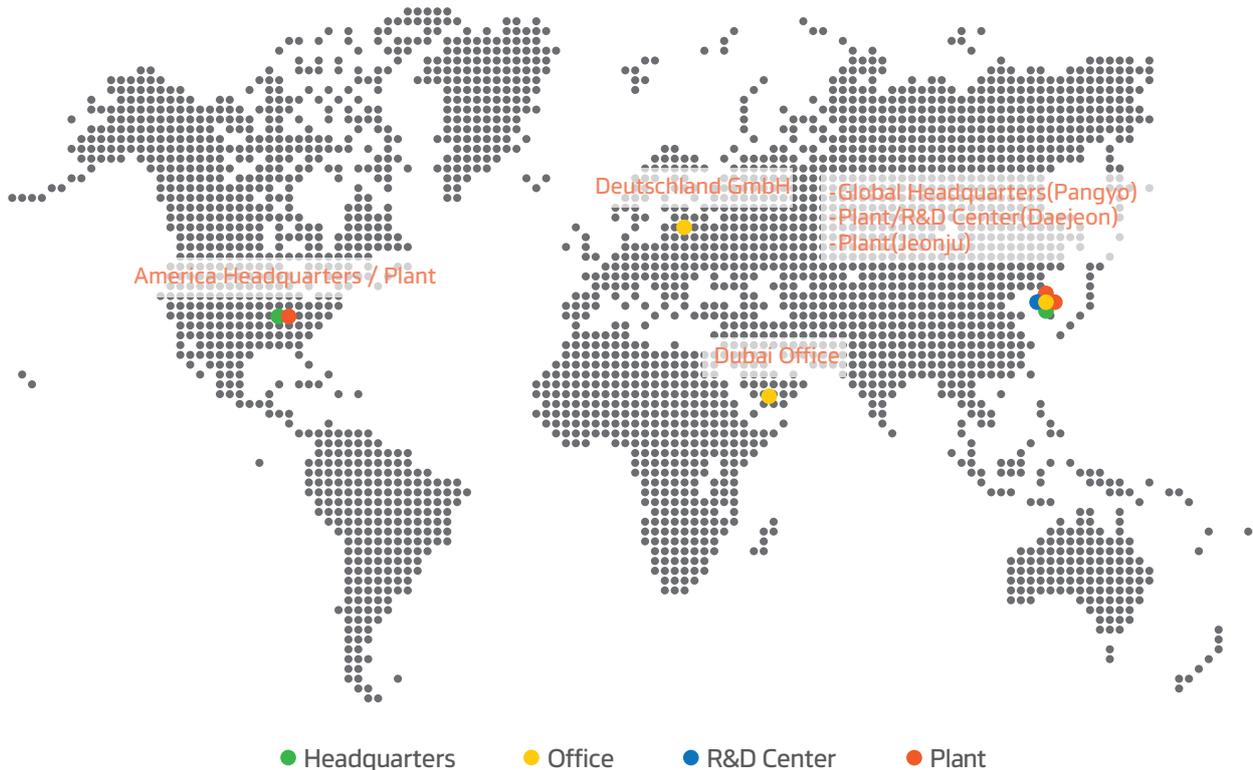
Continuing Challenges: From Domestic to Global Entrepreneurship

Based on the Daejeon and Jeonju plants, Hankook & Company with a global network has been strengthening its distribution competitiveness through the operation of its North American plants in 2020, and continues its history of innovation with unique technologies.

Batteries that Satisfy Customers

Hankook & Company produces high-performance, high-quality batteries through continuous R&D and rigorous quality inspections to provide the best batteries to customers. Customer satisfaction is the fundamental value at Hankook & Company.

I Global Network



I Contact Us

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Automotive Batteries

Trust BULLET Innovative Technology

Take a powerful ride with BULLET Car batteries.

Whether it's for an entry level vehicle or a high-end performance car, BULLET batteries provide reliable starting power that goes all the way through till the end of your journey.

As always BULLET outstanding product quality is the result of our innovative technology.



Automotive SMF

Reliable Starter

Sealed maintenance free battery Tech

BULLET SMF Battery is the ideal choice for standard vehicles with usual power demands. It's maintenance free and it provides reliable power support for all applications. offers a complete range of SMF Batteries for all of European, Asian and American vehicles.

Core Technology

- X-Frame plus
- Ca/Ca
- Sealed Double Lid
- Nonwoven Tissue

Benefits

- Reliable starting power with X-Frame Technology
- High Durability Technology delivers longer service life
- A complete range offered for 99% of vehicles on the market



Heavy Duty HD

Commercial

Heavy duty battery Tech.

BULLET HD is the ideal choice for CV's and HGV's with usual power demands. It's maintenance free and it provides the right power support, you can rely on.

Core Technology

- X-Frame plus
- Advance Ca/Ca
- HD Standard
- Heat sealed lid

Benefits

- Reliable starting power
- Stable Reserve Capacity
- Absolutely maintenance Free
- High vibration resistance

12V Automotive

BULLET SMF

Gr.No	Type No.	Capacity	CCA (DIN: EN / JIS: SAE)	Dimension (mm)				Layout	Terminal	Hold-Down
				L	W	H	TH			
L1	MF54459	44	390	208	174	190	190	0	A	B13
LB1	MF54321	45	450	208	174	175	175	0	A	B13
L2	MF55559	55	480	242	174	190	190	0	A	B13
	MF55565	55	480	242	174	190	190	1	A	B13
	MF56219	62	540	242	174	190	190	0	A	B13
L3	MF56633	66	540	277	174	190	190	1	A	B13
	MF56638	66	540	277	174	190	190	0	A	B13
	MF57219	72	610	277	174	190	190	1	A	B13
	MF57220	72	610	277	174	190	190	0	A	B13
	MF57412	74	680	277	174	190	190	0	A	B13
	MF57413	74	680	277	174	190	190	1	A	B13
L4	MF58590	85	750	315	174	190	190	0	A	B13
	MF58043	80	640	315	174	190	190	0	A	B13
L5	MF58827	88	680	354	174	190	190	0	A	B13
	MF60038	100	850	354	174	190	190	0	A	B13
B19	MF40B19FL	35	330	187	136	200	220	0	B	B1
	MF40B19FR	35	330	187	136	200	220	0	B	B1
	MF40B19R	35	330	187	127	200	220	1	B	B0
	MF44B19FL	40	370	187	136	200	220	0	B	B1
B24	MF50B24L	45	400	234	127	200	220	0	B	B0
	MF50B24LS	45	400	234	127	200	220	0	A	B0
	MF50B24R	45	400	234	127	200	220	1	B	B0
	MF50B24RS	45	400	234	127	200	220	1	A	B0
D20	MF50D20L	50	450	200	172	200	220	0	A	B1
D23	MF55D23FL	60	550	230	172	200	220	0	A	B1
	MF55D23FR	60	550	230	172	200	220	1	A	B1
	MF55D23L	60	550	230	172	200	220	0	A	B0
	MF55D23R	60	550	230	172	200	220	1	A	B0
D26	MF80D26FL	70	600	257	172	200	220	0	A	B1
	MF80D26FR	70	600	257	172	200	220	1	A	B1
	MF80D26L	70	600	257	172	200	220	0	A	B0
	MF80D26R	70	600	257	172	200	220	1	A	B0
D31	MF105D31L	90	750	302	172	200	220	0	A	B0
	MF105D31R	90	750	302	172	200	220	1	A	B0
	MF65D31R	70	600	302	172	200	220	1	A	B0
	MF95D31L	80	670	302	172	200	220	0	A	B0
	MF95D31R	80	670	302	172	200	220	1	A	B0

Gr.No	Type No.	RC (min)	CCA (SAE)	Dimension (mm)				Layout	Terminal	Hold-Down	BCI Figure
				L	W	H	TH				
31	MF31-1000	190	1000	330	172	218	242	1	A	B0	18
	MF31-800	170	800	330	172	218	242	1	A	B0	18
65	MF65-650	130	650	305	187	171	191	1	A	B8	10
75	MF65-750	140	750	305	187	171	191	1	A	B8	10
	MF75-630	125	630	230	179	180	180	1	SIDE	B1	17
78	MF78-630	125	630	260	179	180	180	1	SIDE	B1	17
	MF78-750	155	750	260	179	180	180	1	SIDE	B1	17
85	MF85-500	85	500	230	172	180	200	0	A	B1	11
86(85R)	MF85R-500	85	500	230	172	180	200	1	A	B1	10

12V Commercial Vehicle

BULLET HD

Gr.No	Type No.	Capacity	CCA (DIN: EN / JIS: SAE)	Dimension (mm)				Layout	Terminal	Hold-Down
				L	W	H	TH			
EN B	MF65513	155	900	511	222	195	217	3	A	B0/B13
EN C	MF70027	200	1050	516	274	216	238	3	A	B0/B13
F51	MF135F51	120	870	506	182	210	233	4	A	B0
G51	MF160G51	150	1000	506	212	210	230	4	A	B0
H52	MF210H52	200	1200	509	274	218	238	4	A	B0

Technical Data Layout / Terminals / Hold-down / BCI Assembly Figure

LAYOUT

0	1	3	4

TERMINALS

Terminal	A (Standard)	B (Small)	Side
Positive			
Negative			

HOLD-DOWN

B1	B8	B13
<p>10.5mm on long sides only</p>	<p>13.5mm on long sides only</p>	<p>5 notches 10.5mm on all four sides</p>

* For B0 there is no Hold-Down

BCI Assembly Figure

10	11	17	18

How to Handle Battery

PRECAUTION

If treated with care and taking the proper precautions, lead acid batteries can be handled safely with minimum risk. However, lead acid batteries contain sulfuric acid which is both poisonous and corrosive. This makes them potentially hazardous and it can cause serious injury when standard handling procedures and safety measures are not followed.

Safety

- Always wear acid resistant clothing, protective goggles, PVC gloves and rubber boots.
- Avoid smoking, sparks and flames near operating or charging lead acid batteries.
- Keep metal objects away from terminals.
- Batteries are heavy. Lift carefully and do not place on unstable surfaces.
- Keep away from children.

Emergency Action

- Splashes in eyes : Wash out eyes with plenty of water for at least 15 minutes.
- Splashes on skin : Remove contaminated clothing carefully and wash the affected skin areas with plenty of water.
- Swallowed : Drink copious amounts of milk of magnesia, water or milk. Do not induce vomiting.

Storage

- Keep batteries upright.
- Batteries should not be directly exposed to the sun.
- Keep batteries clean and always store in a cool, dry place.
- Never stack over 4 layers.
- Never drop, never overthrow.
- In all cases, (First In, First Out) storage procedure should be applied.

Installation

- Check the vehicle's engine is turned off.
- Remove the negative terminal connection of the old battery.
- Remove the positive terminal connection, and then remove the hole-down bracket or clamp.
- Replace the old battery with the new battery and fix the new one in the tray.
- Prior to replacing the new one, inspect the tray for corrosion. Clean battery holder and battery terminals using a wire brush, if necessary.
- Connect the positive terminal first.
- Connect the negative terminal. The negative terminal should always be replaced last.

Disposal

- Batteries must NEVER be disposed of in household waste.
- Batteries are recyclable material.
- Do not throw away.



NEVER DROP
NEVER OVERTHROW



NEVER STACK
OVER 4 LAYERS



KEEP UPRIGHT



NEVER TIP
OVER 45°



RECYCLE



Pb



NO SPARKS,
FLAMES OR SMOKING



SHIELD
EYES



KEEP
CHILDREN AWAY



CORROSIVE
HAZARD



EXPLOSION



READ INSTRUCTIO
MANUAL CAREFUL

BULLET[®]

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