

VolT^hor



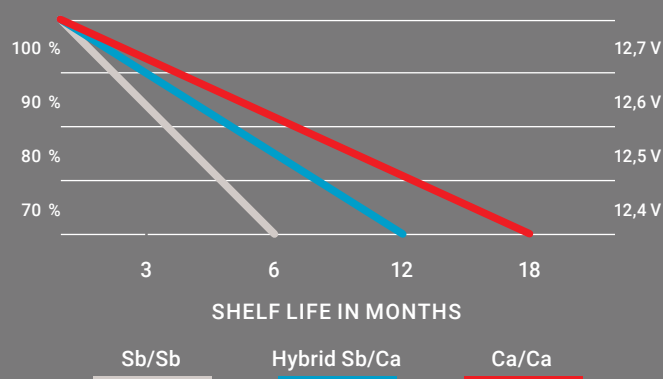
STARTER BATTERIES

VolThor batteries

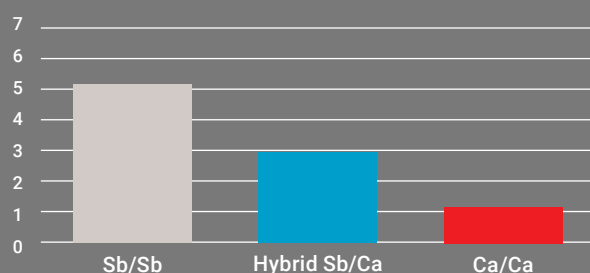
Thanks to our technology, batteries for cars and trucks express power and last a long time, thereby exceeding all expectations. Made for every type of vehicle, even the most innovative ones equipped with Start/Stop systems, they ensure the highest quality and the highest level of engineering for reliability that knows no boundaries.

ADVANCED CHOICE

Allowable shelf life (SELF-DISCHARGE)

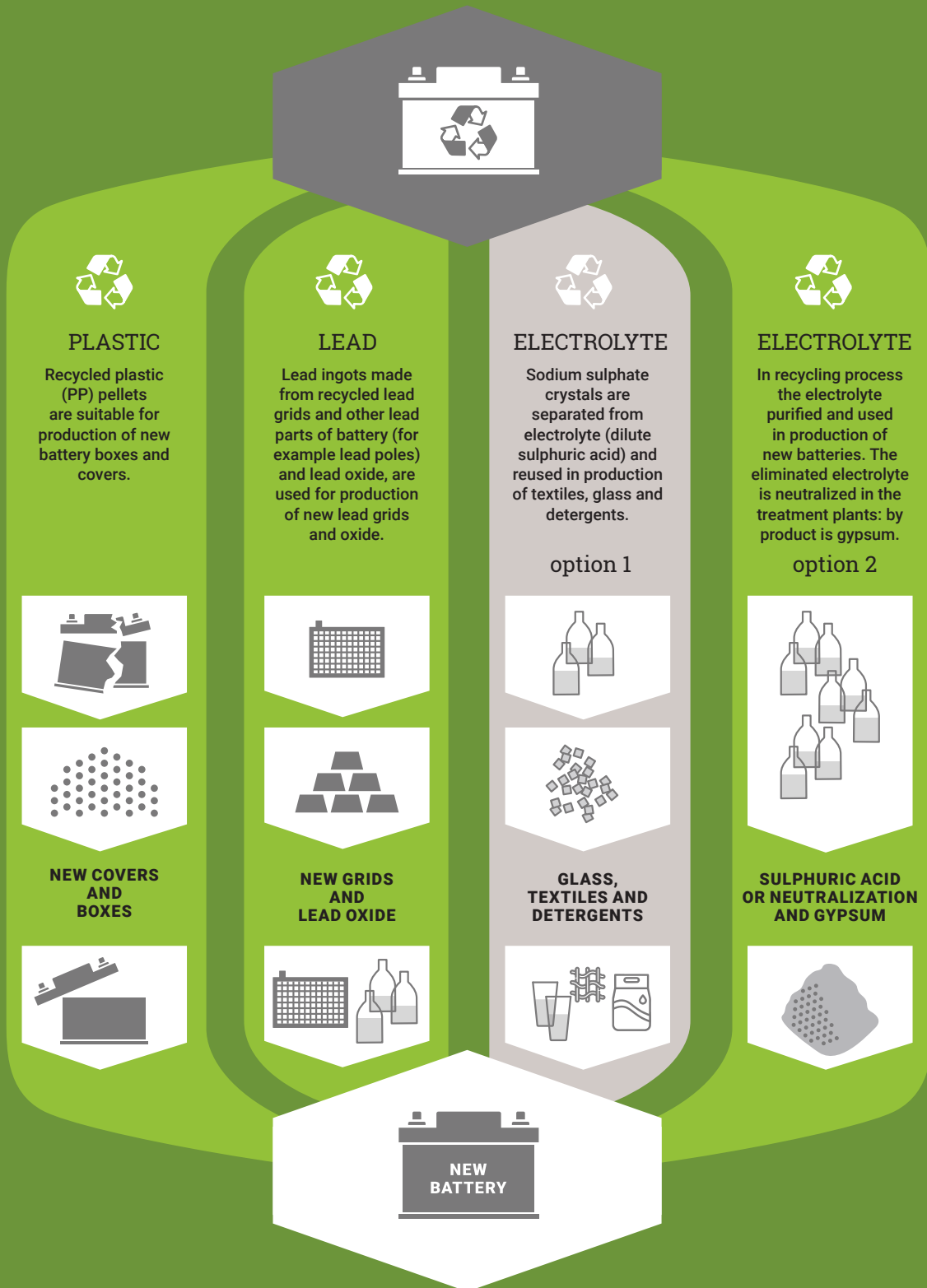


Water consumption (g/Ah)



READY WHEN YOU ARE.





EcoMotion

The EcoMotion system enables the recovery and reuse of lead, polypropylene, and sulphuric acid from used lead-acid batteries, ensuring sustainable resource management.

The production of lead-acid batteries starts with the supply of materials, with lead being the primary raw material. All used lead is sourced exclusively from secondary materials, including recycled waste lead batteries and other lead-based waste. Additionally, a portion of the technological waste is reintegrated into the production process, ensuring a sustainable and efficient use of resources.

Our commitment to a green future.



99% of the lead-acid batteries can be recycled



Lead can be recycled endlessly

COMMITMENT TO SUSTAINABILITY, SAFETY, AND ENVIRONMENTAL PROTECTION

For decades, TAB has remained dedicated to ensuring optimum safety, sustainability, and health while prioritizing environmental protection. The Company follows strict guidelines that are continuously updated to reflect the latest advancements, providing comprehensive protection for employees, neighbours, customers, consumers, and the environment.

TAB prioritizes sustainable development and recognizes its long-term responsibility to promote environmentally friendly practices. This commitment is rooted in a systematic approach to monitoring and minimizing environmental impact. TAB adheres to the ISO 14001 Standard, incorporates Best Available Techniques (BAT) guide-lined into its environmental policy, and actively participates in various established environmental programs.

EcoMotion

TAB is committed to more than just manufacturing high-quality lead-acid batteries. Through its EcoMotion system, TAB ensures the environmentally responsible collection and recycling of used batteries.

EcoMotion embodies a closed-loop LiveCycle, encompassing every stage from battery production to recycling. TAB produces new batteries and, via its authorized sales and distribution network, collects used batteries for professional recycling at its subsidiary, MPI-Reciklaža.

This comprehensive approach reflects TAB's dedication to sustainability and environmental responsibility.

With 60+ years of expertise, TAB stands as one of global leaders in the production of lead-acid batteries, trusted by both automotive and industrial sectors. Worldwide known for our durable, high-performance, and innovative products, TAB provides battery solutions for automotive, commercial and industrial vehicles as well as for advanced energy storage systems.

OUR SOLUTIONS POWER THE VEHICLES OF WORLD-LEADING BRANDS AND SUPPORT SYSTEMS THAT DEMAND CONTINUOUS, RELIABLE ENERGY.

From manufacturing and sales to dedicated servicing, TAB is your comprehensive partner in energy solutions.

Our Innovative Pole Cover Design.

Discover the Benefits of Our Pole Cover Design:

Enhanced Practicality and Usability:

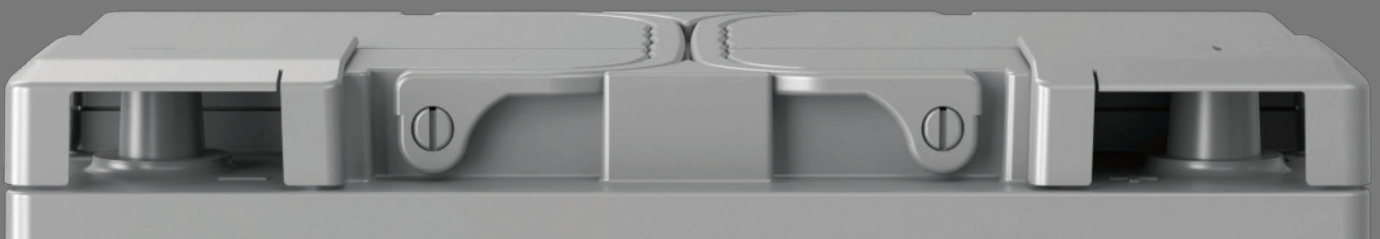
Our designed covers provide easy access to battery terminals on both sides, allowing cable connections without the need to remove the cover. This means quicker installations and maintenance, keeping you on the road longer.

Superior Safety:

Engineered for peace of mind, our pole covers remain securely in place even after the battery is connected, significantly reducing the risk of short circuits and enhancing overall vehicle safety.

Eco-Friendly Innovation:

The covers are designed to stay with the battery throughout its entire life cycle, contributing to a cleaner, more sustainable environment. Not only do they enhance the battery's aesthetic appeal, but they are also fully recyclable, aligning perfectly with our eco-friendly initiatives. From production to recycling, every element of our battery design is crafted with nature in mind.



	Start/Stop Battery		Conventional Battery	
VolThor Range	VolThor AGM Stop&Go	VolThor EFB Stop&Go	VolThor Supreme	VolThor Ultra
				
Technology	AGM	EFB	Flooded	Flooded
Application	Recent vehicles and upmarket models with superior power needs, Start/Stop systems and regenerative braking	Recent vehicles and upmarket models with superior power needs, entry-level Start/Stop system	Recent vehicles and upmarket models with high energy demands	Vehicles with standard electrical equipment
Start/Stop	Start/Stop System	Start/Stop System	Conventional Battery	Conventional Battery
Maintenance	Maintenance Free	Maintenance Free	Maintenance Free	Maintenance Free
Cold Cramping Amps (CCA)				
Charge Acceptance				
Cycle life	3X	2X		
Cycle life compared to conventional batteries when used on Start/Stop vehicles				
Consumers				
Replacement	AGM	EFB or AGM	Equivalent or better	Equivalent or better

Dominant power.
Trusted performance.





**ENGINE
START
STOP**

A close-up photograph of a car's engine start/stop button. The button is circular and metallic, with the words "ENGINE", "START", and "STOP" embossed in a bold, sans-serif font. A horizontal line separates "START" and "STOP". The button is illuminated with a bright blue light, creating a strong glow and highlighting its metallic texture. The background is dark and out of focus, showing the interior of the car.

VolThor AGM Stop&Go Batteries

IMMEDIATE POWER
MAXIMUM EFFICIENCY

VolThor AGM Stop&Go batteries are Valve Regulated Lead Acid (VRLA) batteries, specially developed for vehicles with enhanced Start/Stop systems and regenerative braking. These advanced VRLA AGM batteries represent the highest standard of performance within the lead-acid category.

Battery cells are sealed with a pressure relief valve, and the electrolyte is absorbed in an Absorbed Glass Mat (AGM), ensuring high safety, efficiency, and reliability. Plate stacks are compressed and held under pressure, improving overall performance and durability.

VolThor AGM Stop&Go is the ideal solution for modern vehicles with advanced Start/Stop technologies, offering top-tier performance, reliability, and long service life.



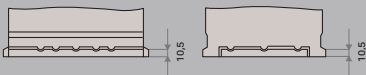
MAIN FEATURES

- **Low Water Consumption:** Internal oxygen recombination reduces water loss, ensuring longevity and reliability.
- **Three Times Longer Cycle Life:** Compared to conventional batteries, VolThor AGM batteries offer up to three times the cycle life, providing long-lasting performance.
- **Improved Cyclic Capability:** Preventing active material shedding provides three times the energy throughput without loss of functionality.
- **Increased Cranking Power:** Better utilization of cell volume increases cranking power by over 30%.
- **Rapid Energy Recovery:** High charge acceptance allows for faster energy recovery during the driving phase, improving overall efficiency.
- **Superior Corrosion Resistance:** Special alloy preparation processes and composition improve corrosion resistance.
- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.

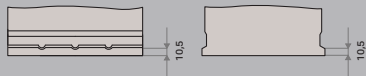


BHD

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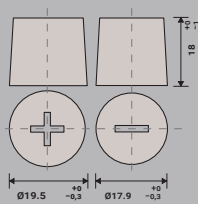


B1



TERMINALS

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LAYOUT

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APPLICATION



Absorbed Glass Mat Starter Batteries, **Ca/Ca** Technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1032790	L1 AGM	VGM50	50	570	88	L1	207×175×190	B13	0	15.5	72/100	AGM, H, EV
1002835	L2 AGM	VGM60	60	680	109	L2	242×175×190	B13	0	17.6	63/90	AGM, H, EV
1002836	L3 AGM	VGM70	70	760	130	L3	278×175×190	B13	0	20.3	51/80	AGM, H
1002837	L4 AGM	VGM80	80	800	151	L4	315×175×190	B13	0	23.0	42/60	AGM, H
1002838	L5 AGM	VGM95	95	850	184	L5	353×175×190	B13	0	25.8	36/60	AGM, H
1002839	L6 AGM	VGM105	105	950	206	L6	394×175×190	B13	0	28.6	36/60	AGM, H
1002840	57029 AGM	VGM75	75	750	140	D26	261×173×198/220	B1	0	20.0	48/80	AGM, H
1002841	57024 AGM	VGM75X	75	750	140	D26	261×173×198/220	B1	1	20.0	48/80	AGM, H

BATTERY REPLACEMENT

- **No Acid Stratification:** AGM batteries do not suffer from electrolyte stratification, ensuring stable power and a longer lifespan even in severe operating conditions.
- **Explosion Safety:** Minimizes the production of explosive gases, enhancing safety.
- **Vibration Resistance:** Designed to withstand vibrations, providing reliable power in challenging conditions.
- **Crash Protection:** No acid leakage occurs in the event of a crash, ensuring safety and integrity.
- **Car Fitting:** Installation in a lateral position is possible, with a maximum angle of 90°.
- **E-Mobility:** Used as an on-board battery in electric vehicles (e-cars).

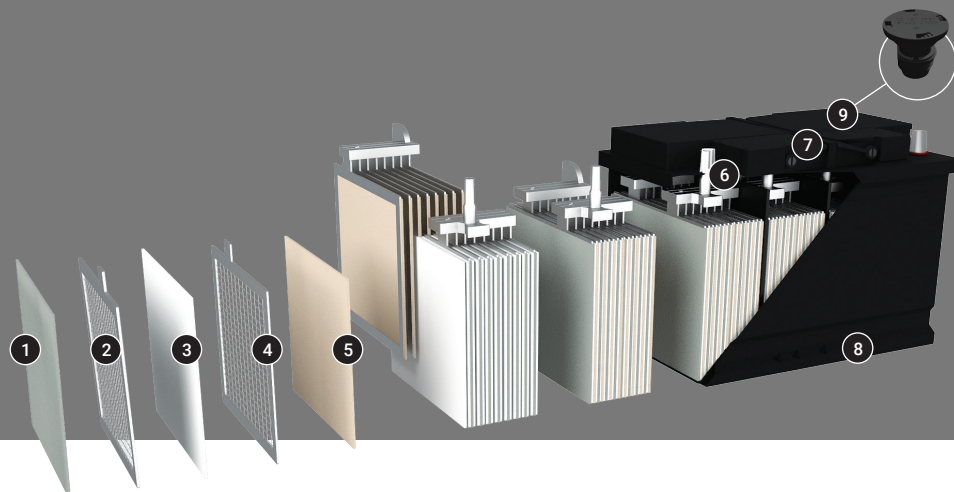


REMARKS

AGM Absorbed Glass Mat
H Handle

EV On-board Battery in Electrical Vehicle

- 1 NEGATIVE PASTE
- 2 NEGATIVE GRID
- 3 AGM SEPARATOR
- 4 POSITIVE GRID
- 5 POSITIVE PASTE
- 6 POLE
- 7 HANDLE
- 8 BHD
- 9 PLUG M18-VR



VolThor EFB Stop&Go Batteries

CONSISTENT EFFICIENCY
UNMATCHED SAFETY

VolThor EFB Stop&Go batteries are Enhanced Flooded Batteries (EFB), designed for vehicles equipped with entry-level Start/Stop systems. Manufactured using the latest flooded battery technology, they deliver consistent and reliable power to support modern energy demands.

Optimized for durability and performance, VolThor EFB Stop&Go provides an efficient, cost-effective solution for vehicles with entry-level Start/Stop systems.

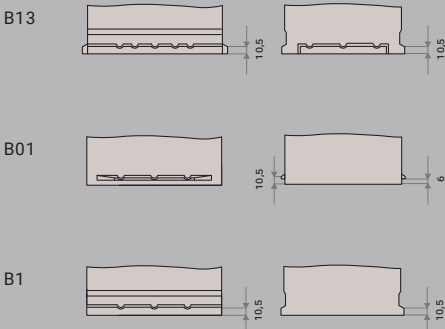


MAIN FEATURES

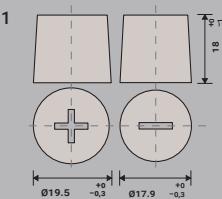
- **Twice the Cycle Life:** Offers double the cycle life compared to conventional batteries, ensuring longer-lasting performance.
- **MFW Fleece on Positive Plates:** Prevents active material shedding, significantly reducing the loss of functionality and extending battery life.
- **Improved Charge Acceptance:** Special carbon additives enhance charge acceptance, enabling faster energy recovery during the driving phase.
- **Enhanced Corrosion Resistance:** Advanced alloy technology ensures better resistance to corrosion, extending battery lifespan.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.



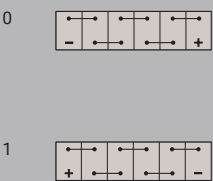
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TERMINALS



LAYOUT



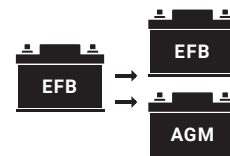
APPLICATION

Enhanced Flooded Starter Batteries, **Ca/Ca** Technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1030213	55011 EFB	VEF50	50	540	81	L1	207×175×190	B13	0	14.1	72/100	SMF+, ME, H, EV
1002042	56088 EFB	VEF60	60	640	100	L2	242×175×190	B13	0	16.6	63/90	SMF+, ME, H, EV
1002043	56588 EFB	VEF65	65	650	110	L3B	278×175×175	B13	0	16.5	51/96	SMF+, ME, H, HD
1002044	57088 EFB	VEF70	70	760	120	L3	278×175×190	B13	0	19.2	51/80	SMF+, ME, H, HD
1002045	58014 EFB	VEF75	75	730	130	L4B	315×175×175	B13	0	18.2	42/72	SMF, ME, H, HD
1002046	58088 EFB	VEF80	80	800	140	L4	315×175×190	B13	0	21.9	42/60	SMF, ME, H, HD
1002047	59088 EFB	VEF90	90	850	161	L5	353×175×190	B13	0	24.6	36/60	SMF, ME, H, HD
1030217	60502 EFB	VEF10	105	950	195	L6	394×175×190	B13	0	27.1	36/60	SMF, ME, H, HD
1002050	56568 EFB	VEF65J	65	600	110	D23	230×173×200/221	B01	0	17.1	60/90	SMF, ME, H
1002049	56569 EFB	VEF65JX	65	600	110	D23	230×173×200/221	B01	1	17.1	60/90	SMF, ME, H
1002051	57029 EFB	VEF70J	70	680	120	D26	259×175×200/221	B1	0	19.6	48/80	SMF, ME, H
1002052	57024 EFB	VEF70JX	70	680	120	D26	259×175×200/221	B1	1	19.6	48/80	SMF, ME, H
1002041	60518 EFB	VEF10J	105	900	192	D31	306×173×200/221	B01	0	23.9	42/70	SMF, ME, H
1002048	60519 EFB	VEF10JX	105	900	192	D31	306×173×200/221	B01	1	23.9	42/70	SMF, ME, H

BATTERY REPLACEMENT

- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.
- **Instant Status Check:** The built-in electrolyte level indicator (Magic Eye) allows for easy and immediate battery status monitoring.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.
- **E-Mobility:** Used as an on-board battery in electric vehicles (e-cars).



REMARKS

SMF+ Enhanced SMF
SMF Sealed Maintenance Free

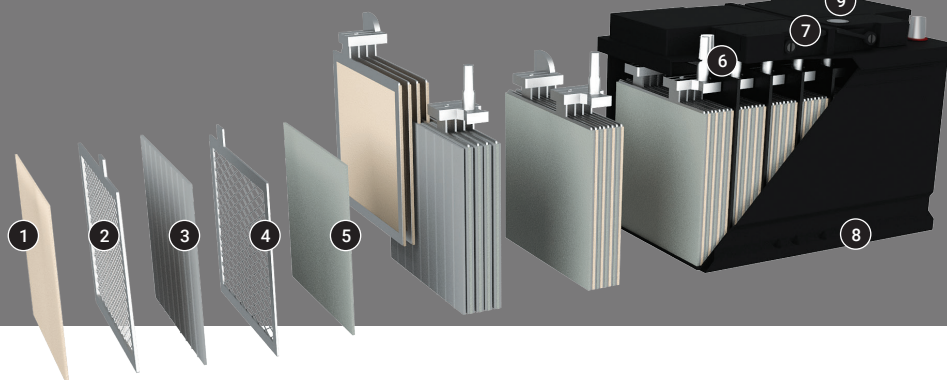
ME Electrolyte Level Indicator
H Handle

HD Heavy Duty
EV On-board Battery in Electrical Vehicle

The Electrolyte Level Indicator, Magic Eye, provides an instant status check.



- 1 NEGATIVE PASTE
- 2 NEGATIVE GRID
- 3 POLYETHYLENE SEPARATOR
- 4 POSITIVE GRID
- 5 POSITIVE PASTE
- 6 POLE
- 7 HANDLE
- 8 BHD
- 9 MAGIC EYE



Maximum output.
Zero compromise.

-  Double Lid System
-  No Water Consumption
-  Low Water Consumption
-  Extreme Climactic Conditions
-  Reduced need for Maintenance
-  Maintenance Free
-  Spill-proof up to 55° angle
-  Roll-over Test (SMF++)
-  Magic Eye
-  +30% better Starting Capabilities
-  Nano Technology
-  On-board Battery in Electrical Vehicle



VolThor Supreme Batteries

HIGH POWER
SUPERIOR AUTONOMY

VolThor Supreme batteries incorporate advanced manufacturing technologies to ensure excellent cold-start performance and reliable power delivery—perfect for vehicles with high electrical consumption.

Designed with user convenience in mind, they feature a Sealed Maintenance Free (SMF) cover for full spill protection and a built-in Magic Eye for quick battery condition checks.

Choose VolThor Supreme for proven reliability and high performance in today’s demanding automotive environment.

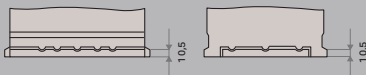


MAIN FEATURES

- **Perfect for High-Energy Vehicles:** Ideal for cars with extensive electrical equipment, providing reliable power.
- **Enhanced Starting Power:** A higher number of plates delivers 30% better starting capabilities.
- **Longer Lifespan:** Advanced expanded metal technology improves corrosion resistance, extending the battery’s life.
- **Instant Status Check:** The built-in level indicator (Magic Eye) allows for easy and immediate battery status monitoring.
- **Enhanced Safety:** Explosion protection prevents flame brake-in into the battery.

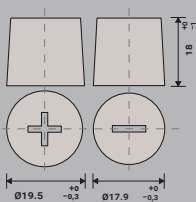
BHD

B13



TERMINALS

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LAYOUT

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APPLICATION



Flooded Starter Batteries, Ca/Ca Technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001241	55401 SMF	VS54	54	510	88	L1B	207×175×175	B13	0	12.1	72/120	SMF+, ME, H
1001287	55510 SMF	VS55H	55	560	90	L1	207×175×190	B13	0	12.7	72/100	SMF+, ME, H
1001243	56249 SMF	VS62	62	600	104	L2B	242×175×175	B13	0	13.7	63/108	SMF+, ME, H
1001279	56649 SMF	VS66H	66	640	112	L2	242×175×190	B13	0	14.8	63/90	SMF+, ME, H
1001280	57510 SMF	VS75	75	720	130	L3B	278×175×175	B13	0	16.5	51/96	SMF+, ME, H, HD
1001289	57549 SMF	VS75H	78	750	135	L3	278×175×190	B13	0	17.4	51/80	SMF+, ME, H, HD
1001247	58514 SMF	VS85	85	800	150	L4B	315×175×175	B13	0	19.0	42/72	SMF, ME, H, HD
1001262	60044 SMF	VS100H	100	900	182	L5	353×175×190	B13	0	22.3	36/60	SMF, ME, H, HD
1001235	61002 SMF	VS110H	110	1000	203	L6	394×175×190	B13	0	24.6	36/60	SMF, ME, H, HD

BATTERY REPLACEMENT

- **Superior Quality:** Crafted to the highest standards for dependable performance.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.
- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF+ Enhanced SMF
SMF Sealed Maintenance Free

ME
H Electrolyte Level Indicator Handle

HD
P Heavy Duty Post Poles

S
DP Stud Poles Dual Poles



VolThor Ultra Batteries

RELIABLE PERFORMANCE
SAFETY WITHOUT COMPROMISE

VolThor Ultra batteries are designed for vehicles with standard electrical systems, offering excellent starting power, stable performance, and long-term reliability.

As an all-rounder, they provide strong cranking capability, solid reserve capacity, and reliable cold-start performance. The Sealed Maintenance Free (SMF) cover ensures full spill protection and maintenance-free operation throughout their service life.

VolThor Ultra is a trusted power solution for a wide variety of vehicles, available in multiple sizes and capacities to ensure a perfect fit.

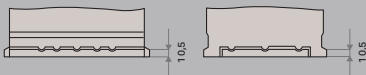


MAIN FEATURES

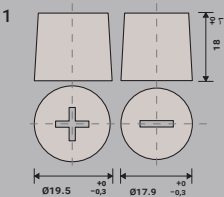
- **High Starting Power:** Delivers exceptional starting capabilities for reliable performance.
- **Enhanced Safety:** Explosion protection prevents sparks from entering the battery.
- **Reliable in Extreme Conditions:** Designed to perform dependably in even the most challenging climates.
- **Leak Protection:** Sealed cover construction ensures double the leak protection and 100% spill-proof performance, even at an angle of up to 55°. SMF+ cover types are roll-over proof.
- **Explosion Protection:** Built-in flame arrestor provides added safety by preventing flame intrusion.

BHD

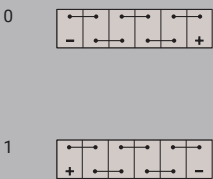
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TERMINALS



LAYOUT



APPLICATION

Flooded Starter Batteries, **Ca/Ca** Technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001238	54506	VU45	45	400	71	L0	175×175×190	B13	0	10.4	72/120	K
1001264	54002 SMF	VU40	40	360	62	L1B	207×175×175	B13	0	10.6	72/120	SMF+, H
1001273	54003 SMF	VU40X	40	360	62	L1B	207×175×175	B13	1	10.6	72/120	SMF+, H
1001265	54502 SMF	VU45B	45	420	71	L1B	207×175×175	B13	0	11.1	72/120	SMF+, H
1001239	54559 SMF	VU45H	45	400	71	L1	207×175×190	B13	0	11.5	72/100	SMF+, H
1001240	55010 SMF	VU50H	50	450	81	L1	207×175×190	B13	0	12.0	72/100	SMF+, H
1001277	55001 SMF	VU50	50	450	81	L2B	242×175×175	B13	0	12.6	63/108	SMF+, H
1001267	55509 SMF	VU55	55	500	90	L2B	242×175×175	B13	0	13.2	63/108	SMF+, H
1001278	55559 SMF	VU55H	55	500	90	L2	242×175×190	B13	0	13.7	63/90	SMF+, H
1001288	56008 SMF	VU60H	60	600	100	L2	242×175×190	B13	0	14.2	63/90	SMF+, H
1001257	56013 SMF	VU60HX	60	600	100	L2	242×175×190	B13	1	14.2	63/90	SMF+, H
1001244	57009 SMF	VU70	70	620	120	L3B	278×175×175	B13	0	15.4	51/96	SMF+, H, HD
1001246	57309 SMF	VU73	73	630	126	L3B	278×175×175	B13	0	15.8	51/96	SMF+, H, HD
1001268	56638 SMF	VU66H	66	600	112	L3	278×175×190	B13	0	16.0	51/80	SMF+, H, HD
1001270	57412 SMF	VU74H	74	680	128	L3	278×175×190	B13	0	17.3	51/80	SMF+, H, HD
1001259	57413 SMF	VU74HX	74	680	128	L3	278×175×190	B13	1	17.3	51/80	SMF+, H, HD
1001248	59249 SMF	VU92H	92	800	165	L4	315×175×190	B13	0	19.8	42/60	SMF, H, HD
1001281	59220 SMF	VU92	92	800	165	L5B	353×175×175	B13	0	20.3	36/72	SMF, H, HD
1001272	59222 SMF	VU92H5	92	800	165	L5	353×175×190	B13	0	21.0	36/60	SMF, H, HD
1001275	60038 SMF	VU10H	100	850	182	L5	353×175×190	B13	0	22.3	36/60	SMF, ME, H, HD

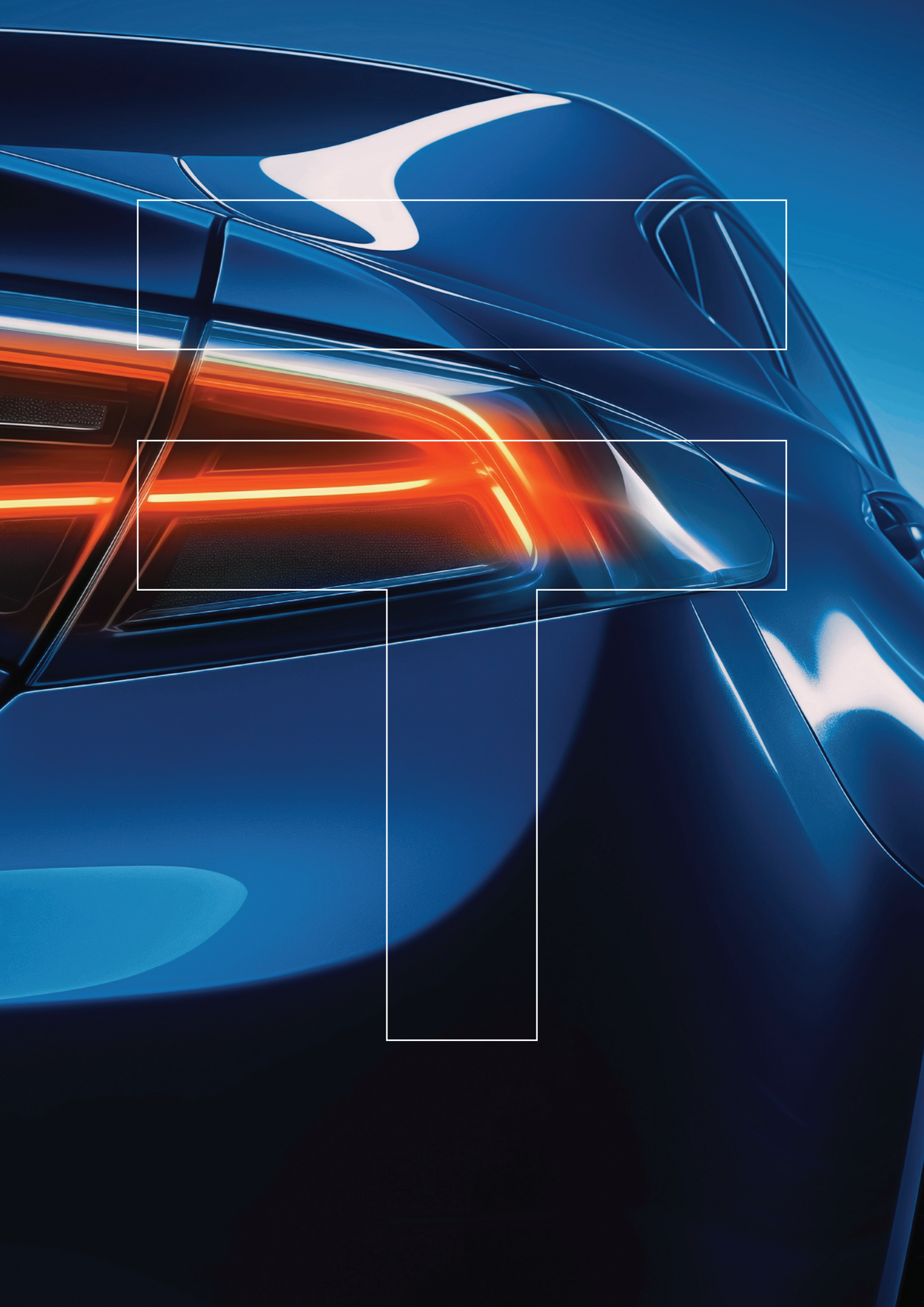
BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF+ Enhanced SMF**SMF** Sealed Maintenance Free**H** Handle**HD** Heavy Duty**ME** Electrolyte Level Indicator**K** Kamina



VolThor Ultra JIS and BCI Types

Flooded Starter Batteries, Ca/Ca Technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001237	53520 SMF	VU35J	35	270	53	B19	196×128×202/223	B0	0	9.4	96/128	SMF, H, JIS
1001252	53522 SMF	VU35JX	35	270	53	B19	196×128×202/223	B0	1	9.4	96/128	SMF, H, JIS
1001291	53521 SMF	VU35JP	35	270	53	B19	196×134×202/223	B01	0	9.4	96/128	SMF, H, JIS
1001286	54520 SMF	VU45J	45	360	71	B19	196×134×202/223	B01	0	10.5	96/128	SMF, H, JIS, A
1001253	54522 SMF	VU45JX	45	360	71	B19	196×134×202/223	B01	1	10.5	96/128	SMF, H, JIS, A
1001266	54523/84 SMF	VU45JA	45	360	71	B24	236×128×202/223	B0	0	11.7	72/96	SMF, H, JIS, A
1001254	54524/51 SMF	VU45JAX	45	360	71	B24	236×128×202/223	B0	1	11.7	72/96	SMF, H, JIS, A
1001242	55523/84 SMF	VU55JA	55	490	90	B24	236×128×202/223	B0	0	13.1	72/96	SMF, H, JIS, A
1001255	55524/51 SMF	VU55JAX	55	490	90	B24	236×128×202/223	B0	1	13.1	72/96	SMF, H, JIS, A
1001294	56068 SMF	VU60J	60	600	100	D23	230×173×200/221	B01	0	14.7	60/90	SMF, ME, H
1001282	56069 SMF	VU60JX	60	600	100	D23	230×173×200/221	B01	1	14.7	60/90	SMF, ME, H
1001245	56568 SMF	VU65J	65	650	110	D23	230×173×200/221	B01	0	15.3	60/90	SMF, ME, H
1001258	56569 SMF	VU65JX	65	650	110	D23	230×173×200/221	B01	1	15.3	60/90	SMF, ME, H
1001269	57029 SMF	VU70J	70	700	120	D26	259×175×200/221	B1	0	17.1	48/80	SMF, ME, H
1001274	57024 SMF	VU70JX	70	700	120	D26	259×175×200/221	B1	1	17.1	48/80	SMF, ME, H
1001271	57529 SMF	VU75J	75	740	130	D26	259×175×200/221	B1	0	17.9	48/80	SMF, ME, H
1001260	57524 SMF	VU75JX	75	740	130	D26	259×175×200/221	B1	1	17.9	48/80	SMF, ME, H
1001249	59518 SMF	VU95J	95	850	171	D31	306×173×200/221	B01	0	20.8	42/70	SMF, ME, H
1001261	59519 SMF	VU95JX	95	850	171	D31	306×173×200/221	B01	1	20.8	42/70	SMF, ME, H
1001290	BCI 31P SMF	VU90BCIP	90	800	161	BCI 31	330×173×218/239	B1	0	23.1	42/60	SMF, ME, H, HD, P
1001283	BCI 31S SMF	VU100BCIS	100	900	182	BCI 31	330×173×218/239	B1	0	24.0	42/60	SMF, ME, H, HD, S
1001293	BCI 31 SMF-D	VU110BCID	110	1000	203	BCI 31	330×173×218/237	B1	0	26.2	42/60	SMF, ME, H, HD, DP



REMARKS

SMF Sealed Maintenance Free
H Handle

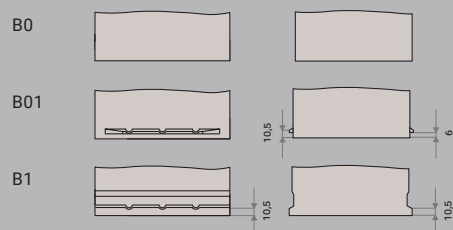
JIS Japanese Poles
A Pole Adapter

ME Electrolyte Level Indicator
HD Heavy Duty

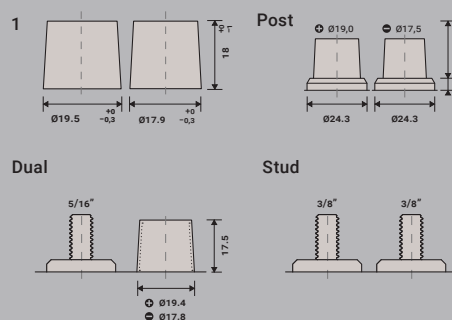
P Post Poles
S Stud Poles

DP Dual Poles

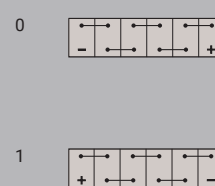
BHD



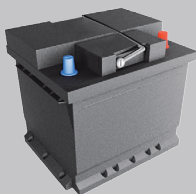
TERMINALS



LAYOUT



L1B SMF+
207×175×175
B13



L1 SMF+
207×175×190
B13



L1 AGM
207×175×190
B13



L2B SMF+
242×175×175
B13



L2 SMF+
242×175×190
B13



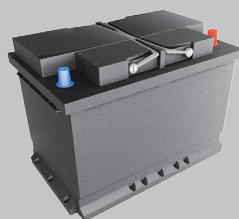
L2 AGM
242×175×190
B13



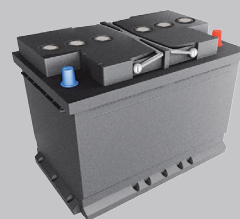
L3B SMF
278×175×175
B13



L3 SMF
278×175×190
B13



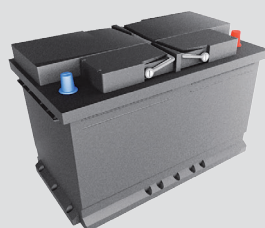
L3 AGM
278×175×190
B13



L4B SMF
315×175×175
B13



L4 SMF
315×175×190
B13



L4 AGM
315×175×190
B13



L5B SMF
353×175×175
B13



L5 SMF
353×175×190
B13



L5 AGM
353×175×190
B13



BOX TYPES

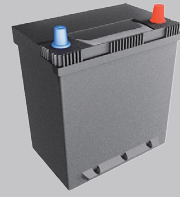
L6
394×175×190
B13



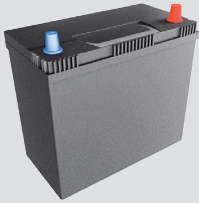
L6 AGM
394×175×190
B13



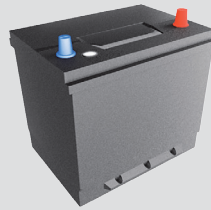
B19
196×134×202/223
B01



B24
236×128×202/223
B0



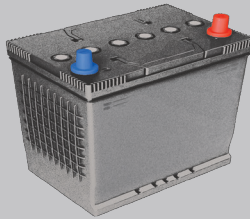
D23
230×173×200/221
B01



D26
259×175×200/221
B1



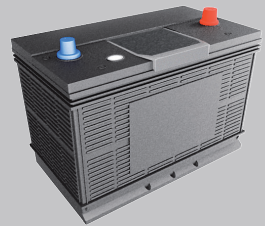
D26 AGM
261×173×198/220
B1



D31
306×173×200/221
B01



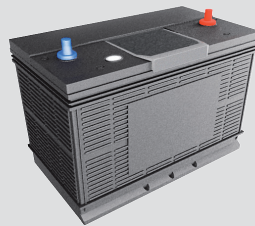
BCI 31 SMF
330×173×218/239
B1



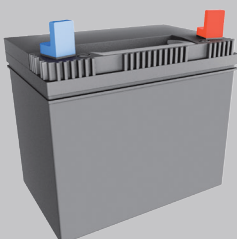
BCI 31 DUAL SMF
330×173×218/237
B1



BCI 31 STUD
330×173×218/239
B1



Mower
196×127×159/185
B0



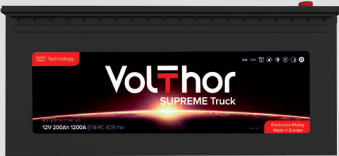
L0
175×175×190
B13



Brute Strength.
Authentic Drive.

-  Double Lid System
-  No Water Consumption
-  Low Water Consumption
-  Extreme Climatic Conditions
-  Reduced need for Maintenance
-  Maintenance Free
-  Spill-proof up to 55° angle
-  Magic Eye
-  +30% better Starting Capabilities
-  V4
-  Electrolyte Mixing System

Commercial Vehicle Batteries

VolThor Range	VolThor EFB	VolThor Supreme Truck	VolThor UltraTruck
			
Technology	EFB	Flooded Ca/Ca	Flooded Ca/Ca
Application	Recent commercial vehicles with increased energy demands of long-distance traffic, numerous comfort and safety features, also off-highway and heavy-duty application	Commercial vehicles with high energy demands of long-distance traffic, also off-highway and heavy-duty application	Commercial vehicles with standard energy demands of highway and off-highway traffic and also heavy-duty application
Vibration Resistance (EN-50342-1)	V4	V3/V4 (depending on a type)	V3
Maintenance	Maintenance Free	Maintenance Free	Maintenance Free (electrolyte accessible)
Cold Cramping Amps (CCA)			
Charge Acceptance			
Cycle life			
Deep-Cycle Resistance			
Replacement	EFB	Equivalent or better	Equivalent or better

VolThor EFB Commercial Vehicle Batteries

BOUNDLESS POWER
UNSTOPPABLE EFFICIENCY

As energy needs grow in the commercial vehicle segment, VolThor EFB Truck batteries are designed to meet increasing demands for electric power, safety, and comfort. Frequent stops and irregular cycles require a battery with strong starting power and fast recharge capability.

As energy needs grow in the commercial vehicle segment, VolThor EFB Truck batteries are designed to meet increasing demands for electric power, safety, and comfort. Frequent stops and irregular cycles require a battery with strong starting power and fast recharge capability.



MAIN FEATURES

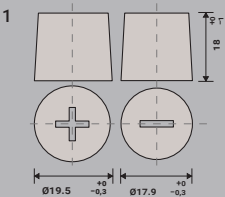
- **Euro 6 Compatible:** Designed for Euro 6 trucks, including “end of frame” installations, ensuring compatibility with modern vehicle standards.
- **Electrolyte Mixing System:** Promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.
- **Excellent Vibration Resistance – V4:** Thanks to the HD-VTL design, the battery offers superior vibration resistance, ensuring reliability even in rough conditions.
- **Increased Capacity:** Designed to handle higher energy demands, providing more reliable power for commercial vehicles.
- **More Energy During Stops:** Provides enhanced energy storage, ensuring consistent performance during frequent and irregular stops.
- **New Positive Active Mass Composition:** Delivers greater resistance to deep cycling, extending the battery’s service life and improving its performance over time.

BHD

B0



TERMINALS



LAYOUT



APPLICATION

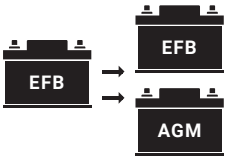


Enhanced Flooded Batteries, **Ca/Ca** technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	LxWxH (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001921	69032 EFB	VEF19	190	1100	385	B	513×222×194/216	B0	3	44.8	21/28	SMF, ME, H, HD, EMS, V4
1001775	74027 EFB	VEF24	240	1250	506	C	517×275×214/236	B0	3	58.2	18/24	SMF, ME, H, HD, EMS, V4

BATTERY REPLACEMENT

- **Improved Dynamic Charge Acceptance:** Allows the battery to accept charges more quickly, making it ideal for short, frequent recharging cycles.
- **New Separators:** Advanced separators enhance the battery's durability and reduce the risk of internal short circuits.
- **Partial State of Charge Operation:** Capable of functioning effectively even in partial states of charge, offering more flexibility in energy usage.
- **Longer Battery Life:** Engineered for extended longevity, ensuring fewer replacements and reduced maintenance costs.



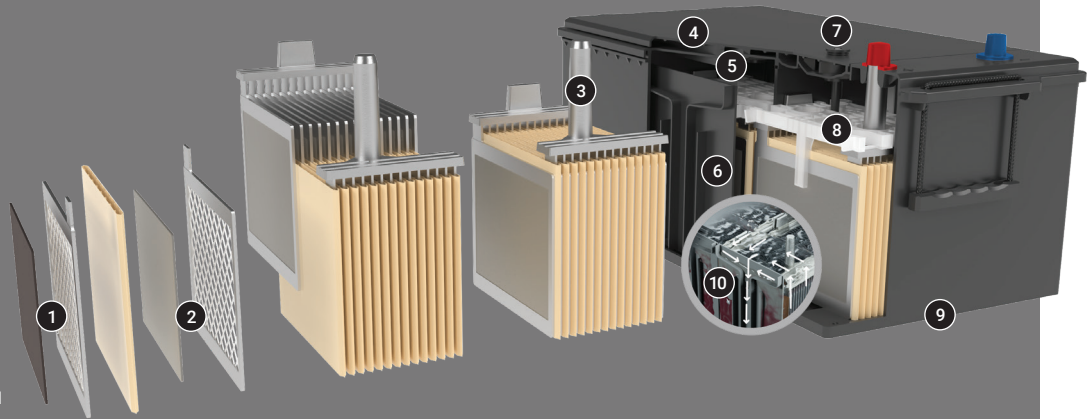
REMARKS

SMF Sealed Maintenance Free
ME Electrolyte Level Indicator

H Handle
HD Heavy Duty

EMS Electrolyte Mixing System
V4 Vibration Resistance (EN-50342-1)

- 1 POSITIVE PLATES WITH THICK CASTED GRIDS
- 2 NEGATIVE PLATES WITH ADDITIVES
- 3 ROBUST PLATE CONNECTORS
- 4 TOP SMF LID WITH CENTRAL DEGASSING AND FLAME ARRESTORS
- 5 MAIN LID WITH LABYRINTH INTEGRATED INTERNAL FLEXIBLE RIBS
- 6 MAGIC EYE
- 7 VTL ELEMENTS (C BOX)
- 8 POLYPROPYLENE CONTAINER
- 9 ELECTROLYTE MIXING SYSTEM



VolThor Supreme Truck Batteries

MAXIMUM PERFORMANCE
ZERO COMPROMISES

VolThor Supreme Truck batteries feature advanced production technology to ensure outstanding cold-start performance and stable power output for commercial vehicles with high energy requirements.

Engineered for durability, they include a sealed maintenance-free (SMF) design for complete spill protection and no upkeep. Built to withstand tough usage, they offer dependable performance even in the most demanding environments.

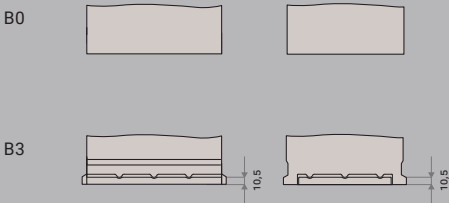
VolThor Supreme Truck is the go-to choice for heavy-duty applications.



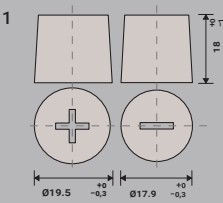
MAIN FEATURES

- **Sealed Cover Construction:** Provides complete protection against leaks and spills.
- **Expanded Metal Technology:** Enhances corrosion resistance, significantly extending battery lifespan.
- **Magic Eye Level Indicator:** Offers an instant and easy battery status check.
- **Explosion Protection:** Safeguards the battery from flame intrusion for added safety.
- **Ideal for High-Energy Vehicles:** Perfect for commercial vehicles with numerous electrical systems.
- **Highest Quality:** Built to the highest standards, ensuring reliability and long-lasting performance.
- **Electrolyte Mixing System:** Available in B and C box types, this system promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.

BHD



TERMINALS



LAYOUT



APPLICATION



Flooded starter batteries, **Ca/Ca** technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	LxWxH (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001373	63544 SMF	VST13M	135	850	258	MAC110	509×175×196/218	B3	3	33.1	24/40	SMF, ME, H, HD
1001374	64030 SMF	VST14	140	850	269	A	507×188×200/222	B0	3	35.3	24/35	SMF, ME, H, HD
1001375	65048 SMF	VST15M	150	1000	292	MAC110	509×175×196/218	B3	3	36.4	24/40	SMF, ME, H, HD
1001759	65018 SMF	VST15	150	950	292	B	513×222×194/216	B0	3	39.6	21/35	SMF, ME, H, HD, EMS, V4
1001760	68032 SMF	VST18	180	1100	361	B	513×222×194/216	B0	3	42.8	21/28	SMF, ME, H, HD, EMS, V4
1001387	70027 SMF	VST20	200	1200	409	C	517×275×214/236	B0	3	52.5	18/24	SMF, ME, H, HD, EMS, V4
1001395	72527 SMF	VST22	225	1300	469	C	517×275×214/236	B0	3	55.8	18/24	SMF, ME, H, HD, EMS, V4

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.



REMARKS

SMF Sealed Maintenance Free
ME Electrolyte Level Indicator

H Handle
HD Heavy Duty

EMS Electrolyte Mixing System
V4 Vibration Resistance (EN-50342-1)



VolThor Ultra Truck Batteries

ROBUSTNESS AND SIMPLICITY
MAXIMUM RELIABILITY

VolThor Ultra Truck batteries are tailored for commercial vehicles with standard electrical needs, offering powerful starting, consistent performance, and lasting reliability.

Built to handle both everyday driving and more challenging conditions, these batteries provide a stable energy supply when it matters most.

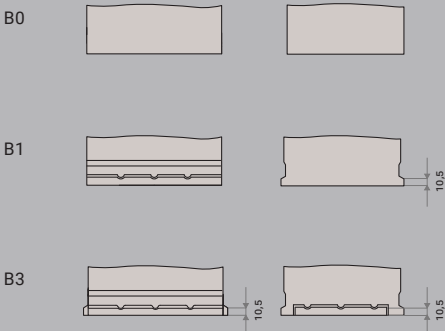
VolThor Ultra Truck is the practical and high-performing solution for commercial fleets requiring trustworthy power.



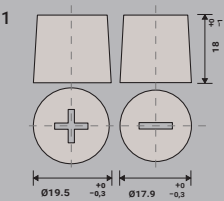
MAIN FEATURES

- **High Starting Capabilities:** Delivers strong starting power even under tough conditions.
- **Reliable Performance in Extreme Climates:** Ensures dependable starting and operation in a wide range of temperatures.
- **Ca/Ca Technology:** Manufactured using advanced Ca/Ca technology for optimal performance and durability. The battery is equipped with a flat lid and M27 plugs for easy access and simple maintenance.
- **Hybrid design:** Only minimal maintenance required, while maintaining a high tolerance on charging requirements.
- **Electrolyte Mixing System:** Available in B and C box types, this system promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer life.

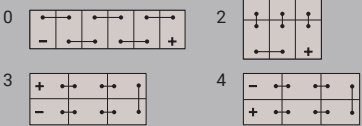
BHD



TERMINALS



LAYOUT



APPLICATION



Flooded starter batteries, **Ca/Ca** technology

VolThor ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001263	61028	VUT11	110	800	203	60528	345×172×218/238	B0	0	26.5	36/48	H
1001276	61028	VUT11P	110	800	203	60528	345×175×218/238	B1	0	26.5	36/48	H
1003058	61044	VUT11M	110	720	203	MAC110	509×175×182/202	B3	3	31.0	24/40	H, HD
1001236	62512	VUT12H	125	800	236	62512	345×172×269/289	B0	0	31.0	24/36	H
1003059	63530	VUT13A	135	850	258	A	513×189×194/216	B0	3	35.3	24/35	H, HD
1003060	63544	VUT13M	135	850	258	MAC110	509×175×182/202	B3	3	33.1	24/40	H, HD
1003061	63545	VUT13MR	135	850	258	MAC110	509×175×182/202	B3	4	33.1	24/40	H, HD
1032808	64517	VUT14M	145	900	281	MAT132	509×175×186/206	B1	0	33.3	24/40	H, HD
1000503	67018	VUT17	170	1050	338	B	512×223×194/216	B0	3	42.2	21/35	H, HD, EMS
1000505	67019	VUT17R	170	1050	338	B	512×224×194/216	B3	4	42.2	21/28	H, HD, EMS
1000508	68032	VUT18	180	1100	361	B	512×223×194/216	B0	3	42.8	21/28	H, HD, EMS
1000509	69032	VUT19	190	1200	385	B	512×223×194/216	B0	3	42.8	21/28	H, HD, EMS
1003063	70027	VUT20C	200	1200	409	C	518×273×214/235	B0	3	52.2	18/24	H, HD, EMS
1003064	72527	VUT22	225	1300	469	C	518×273×214/235	B0	3	55.5	18/24	H, HD, EMS
1000222	6TN	VUT11D7	110	740	203	D7	283×269×208/230	B0	2	30.8	24/36	H, HD
1000015	6TND	VUT12D7	125	900	236	D7	283×269×208/230	B0	2	33.9	24/36	H, HD

BATTERY REPLACEMENT

Conventional batteries should always be replaced with an equivalent or superior battery to ensure they meet the vehicle's power requirements.

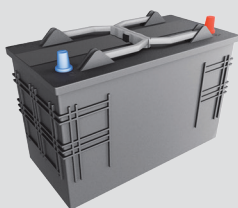
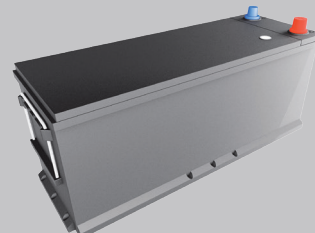
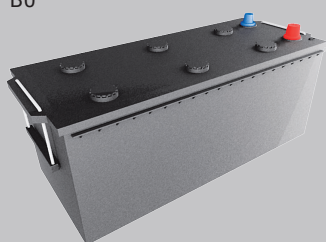
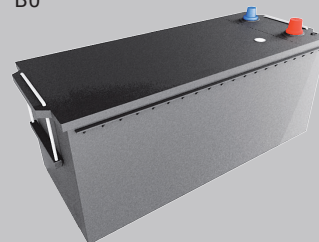
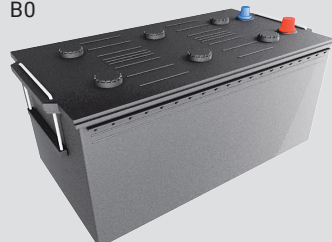
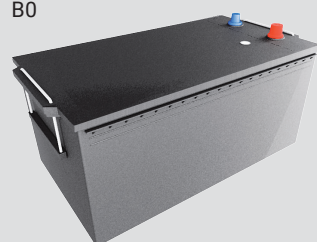
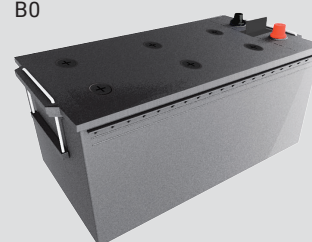


REMARKS

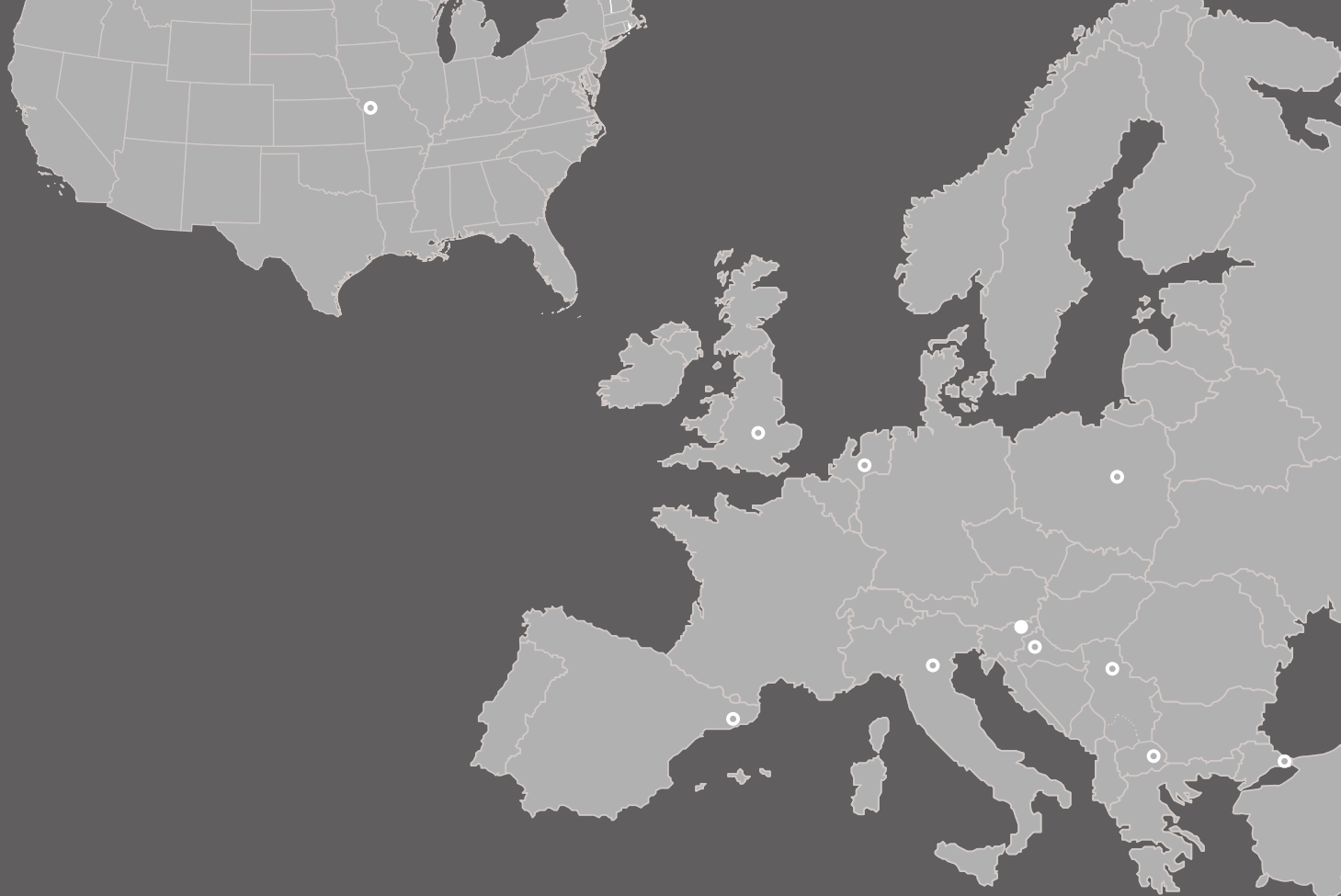
H Handle
HD Heavy Duty

EMS Electrolyte Mixing System



60528345×172×218/238
B0**62512**345×172×269/289
B0**D7**283×269×208/230
B0**MAC110**509×175×182/202
B3**MAC110**509×175×182/202
B3**MAC110 SMF**509×175×196/218
B3**A**513×189×194/216
B0**A SMF**507×188×200/222
B0**MAT132**509×175×196/206
B1**B**512×223×194/216
B0**B**512×224×194/216
B3**B SMF**513×222×194/216
B0**C**518×273×214/235
B0**C SMF**517×275×214/236
B0**C AGM**518×274×216/243
B0**BOX TYPES**

All measures and weights are within standard production tolerances.
Technical modifications are reserved without prior notice. Weight tolerance is $\pm 5\%$.



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