

TAB



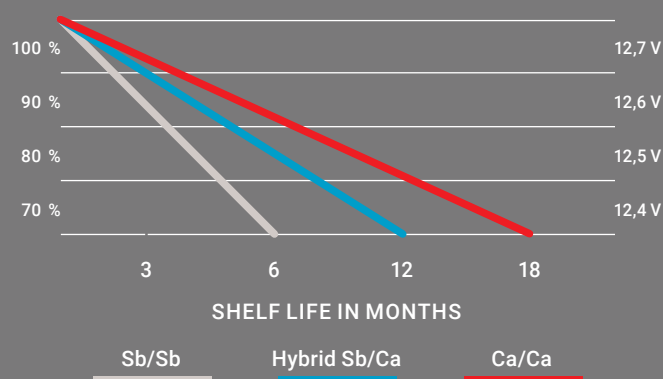
STARTER BATTERIES

TAB batteries

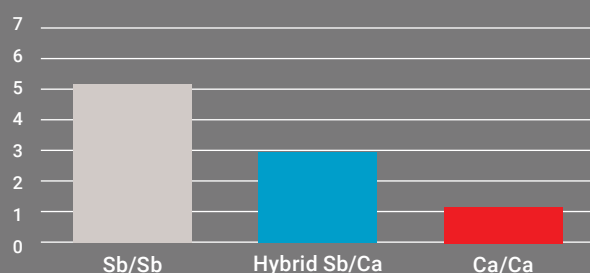
Thanks to our technology, batteries for cars and trucks express power and last a long time, thereby exceeding all expectations. Made for every type of vehicle, even the most innovative ones equipped with Start/Stop systems, they ensure the highest quality and the highest level of engineering for reliability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

ADVANCED CHOICE

Allowable shelf life (SELF-DISCHARGE)

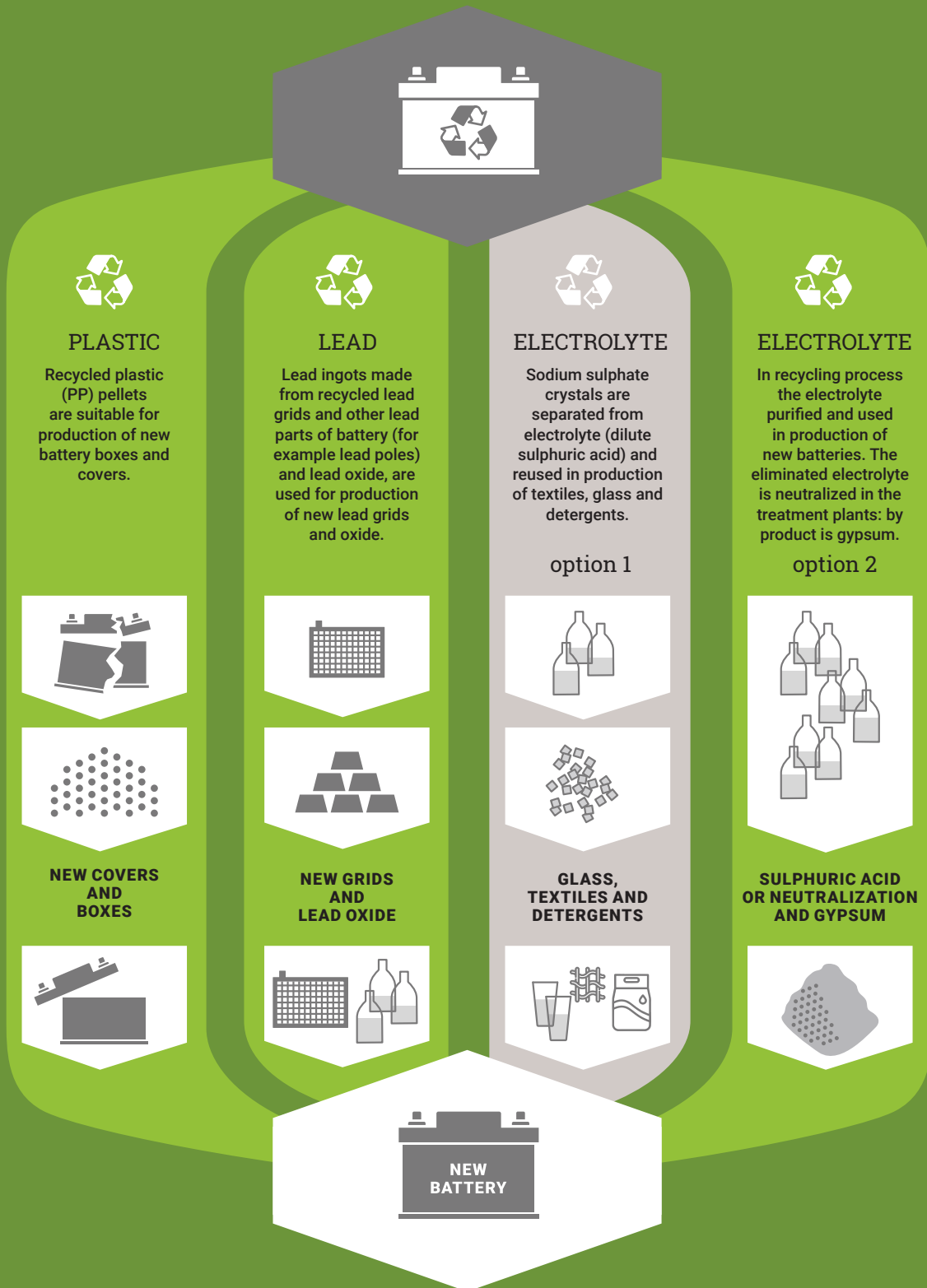


Water consumption (g/Ah)



FINEST START
TO EVERYWHERE





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, neighbors, 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) guidelines 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 LifeCycle, 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 the 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:

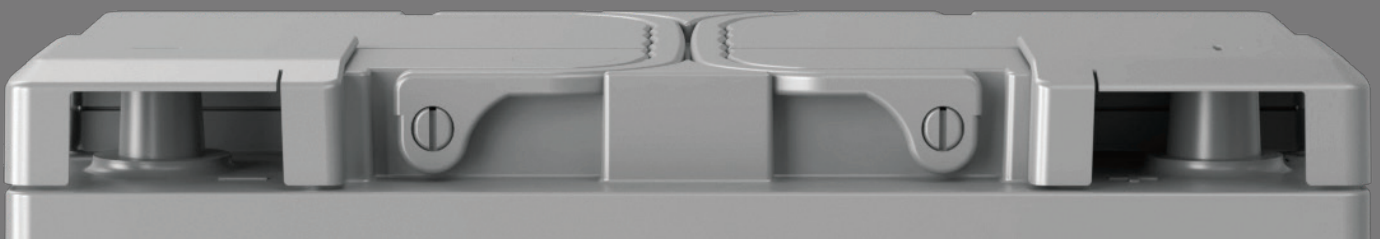
Our designed covers provide easy access to battery terminals on both sides, allowing cable connections without the need to remove the cover. This means quicker installations and maintenance, keeping you on the road longer.

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	
TAB Range	TAB AGM Stop&Go	TAB EFB Stop&Go	TAB Magic	TAB Polar
				
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 Cycle life compared to conventional batteries when used on Start/Stop vehicles	3X	2X		
Consumers				
Replacement	AGM	EFB or AGM	Equivalent or better	Equivalent or better

Advanced Performance and
Ultimate Reliability.





START
STOP

ENGINE

TAB AGM Stop&Go Batteries

ADVANCED PERFORMANCE
SUSTAINABLE STARTING

TAB AGM Stop&Go batteries are Valve Regulated Lead Acid (VRLA) batteries specifically designed for vehicles with enhanced Start/Stop functions with breaking energy recuperation. These advanced VRLA AGM automotive batteries represent the pinnacle of lead-acid battery performance.

The battery cells are sealed with a pressure relief valve, and the electrolyte is immobilized within an Absorbed Glass Mat (AGM), ensuring maximum safety, efficiency and reliability. The plate stacks are maintained under pressure within the cells, enhancing the battery’s overall performance and durability.

Choose TAB AGM Stop&Go for a high-performance, energy-efficient solution tailored for modern vehicles with advanced Start/Stop technology.

TAB AGM Stop&Go batteries offer cutting-edge performance, durability, and safety for modern vehicles with advanced energy-saving technologies.

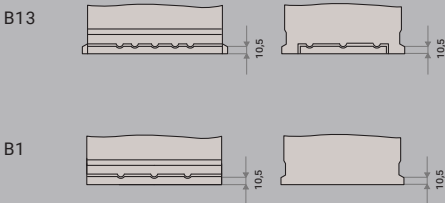


MAIN FEATURES

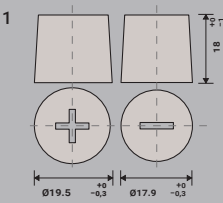
- **Low Water Consumption:** Internal oxygen recombination reduces water loss, ensuring longevity and reliability.
- **Three Times Longer Cycle Life:** Compared to conventional batteries, TAB AGM batteries offer up to three times the cycle life, providing long-lasting performance.
- **Improved Cyclic 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.



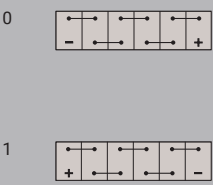
BHD



TERMINALS



LAYOUT



APPLICATION



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

TAB 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
1032788	L1 AGM	AG50	50	570	88	L1	207×175×190	B13	0	15.5	72/100	AGM, H, EV
1000799	L2 AGM	AG60	60	680	109	L2	242×175×190	B13	0	17.6	63/90	AGM, H, EV
1000800	L3 AGM	AG70	70	760	130	L3	278×175×190	B13	0	20.3	51/80	AGM, H
1000801	L4 AGM	AG80	80	800	151	L4	315×175×190	B13	0	23.0	42/60	AGM, H
1000802	L5 AGM	AG95	95	850	184	L5	353×175×190	B13	0	25.8	36/60	AGM, H
1000803	L6 AGM	AG105	105	950	206	L6	394×175×190	B13	0	28.6	36/60	AGM, H
1000805	57029 AGM	AG75	75	750	140	D26	261×173×198/220	B1	0	20.0	48/80	AGM, H
1000806	57024 AGM	AG75X	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).

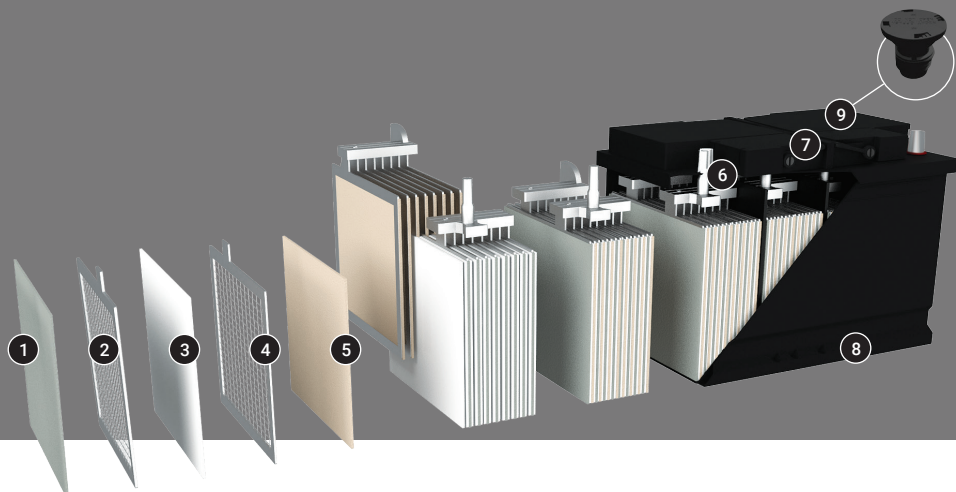


REMARKS

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



TAB EFB Stop&Go Batteries

RELIABLE POWER
MAXIMUM DURABILITY

TAB EFB Stop&Go batteries are Enhanced Flooded Batteries (EFB) designed specifically for vehicles with entry-level Start/Stop systems.

These advanced batteries incorporate the latest innovations in flooded battery manufacturing technology, delivering reliable power to meet the demands of modern vehicles equipped with basic Start/Stop functionality.

Engineered for optimal performance, TAB EFB batteries provide the dependable power required for efficient energy management in entry-level Start/Stop vehicles, offering a cost-effective and high-performance solution for today’s automotive needs.

TAB EFB Stop&Go batteries combine cutting-edge technology and safety features to deliver optimal power and performance for entry-level Start/Stop vehicles.

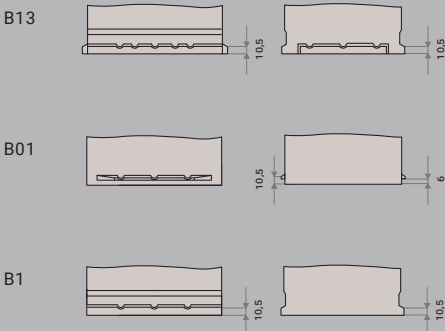


MAIN FEATURES

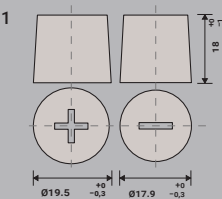
- **Twice the Cycle Life:** Offers double the cycle life compared to conventional batteries, ensuring longer-lasting performance.
- **MFW Fleece on Positive Plates:** Prevents active material shedding, significantly reducing the loss of functionality and extending battery life.
- **Improved Charge Acceptance:** 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.



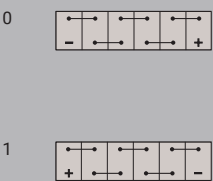
BHD



TERMINALS



LAYOUT



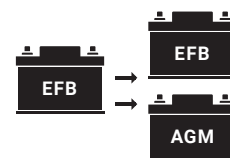
APPLICATION

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

TAB 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
1030211	55011 EFB	SG50	50	540	81	L1	207×175×190	B13	0	14.1	72/100	SMF+, ME, H, EV
1000787	56088 EFB	SG60	60	640	100	L2	242×175×190	B13	0	16.6	63/90	SMF+, ME, H, EV
1000788	56588 EFB	SG65	65	650	110	L3B	278×175×175	B13	0	16.5	51/96	SMF+, ME, H, HD
1000789	57088 EFB	SG70	70	760	120	L3	278×175×190	B13	0	19.2	51/80	SMF+, ME, H, HD
1000790	58014 EFB	SG75	75	730	130	L4B	315×175×175	B13	0	18.2	42/72	SMF, ME, H, HD
1000791	58088 EFB	SG80	80	800	140	L4	315×175×190	B13	0	21.9	42/60	SMF, ME, H, HD
1000792	59088 EFB	SG90	90	850	161	L5	353×175×190	B13	0	24.6	36/60	SMF, ME, H, HD
1030215	60502 EFB	SG10	105	950	195	L6	394×175×190	B13	0	27.1	36/60	SMF, ME, H, HD
1000798	56568 EFB	SG65J	65	600	110	D23	230×173×200/221	B01	0	17.1	60/90	SMF, ME, H
1000797	56569 EFB	SG65JX	65	600	110	D23	230×173×200/221	B01	1	17.1	60/90	SMF, ME, H
1000794	57029 EFB	SG70J	70	680	120	D26	259×175×200/221	B1	0	19.6	48/80	SMF, ME, H
1000795	57024 EFB	SG70JX	70	680	120	D26	259×175×200/221	B1	1	19.6	48/80	SMF, ME, H
1000786	60518 EFB	SG10J	105	900	192	D31	306×173×200/221	B01	0	23.9	42/70	SMF, ME, H
1000793	60519 EFB	SG10JX	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

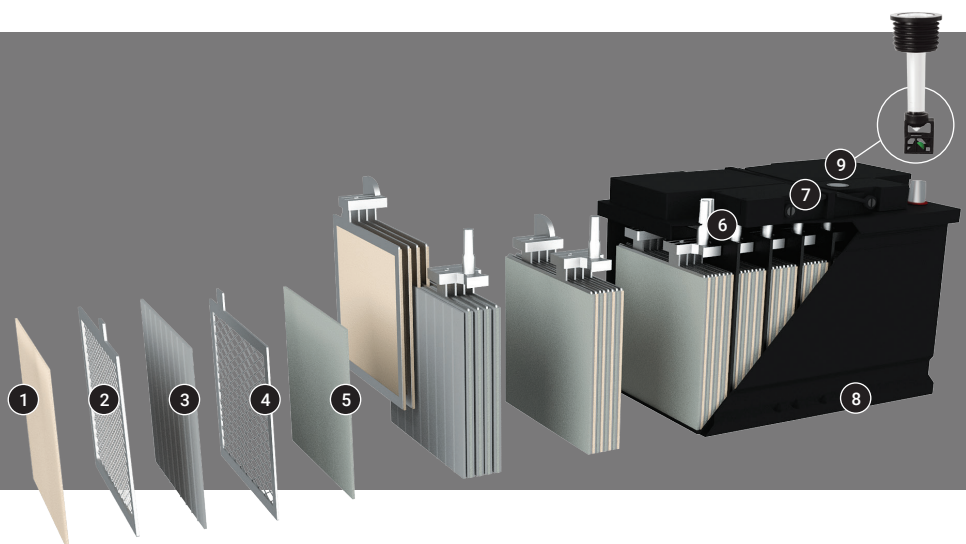
SMF+ Enhanced SMF
SMF Sealed Maintenance Free

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



Engineered for Excellence.

- 
-  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



TAB Magic Batteries

LEADING TECHNOLOGY
SUPERIOR PERFORMANCE

TAB Magic automotive battery combines cutting-edge manufacturing innovations to deliver exceptional cold-start performance and reliable power, perfectly suited for modern vehicles with high energy demands.

Designed for convenience and safety, the Maintenance Free SMF cover ensures excellent spill protection throughout the battery's lifespan.

Additionally, the built-in Magic Eye allows users to easily and continuously monitor the battery's condition, ensuring optimal performance at all times.

Choose TAB Magic for unparalleled reliability and advanced performance that meets the demands of today's high-tech vehicles.

Driven by Innovation,
DEFINED BY RELIABILITY.
TAB Magic batteries.

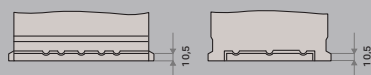


MAIN FEATURES

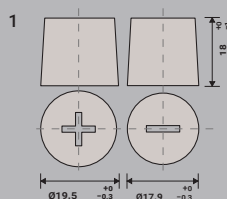
- **Perfect for High-Energy Vehicles:** Ideal for cars with extensive electrical equipment, providing reliable power.
- **Enhanced Starting Power:** A higher number of plates delivers 30% better starting capabilities.
- **Longer Lifespan:** Advanced expanded metal technology improves corrosion resistance, 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



LAYOUT



APPLICATION



Flooded Starter Batteries, Ca/Ca Technology

TAB 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
1000694	55401 SMF	M54	54	510	88	L1B	207×175×175	B13	0	12.1	72/120	SMF+, ME, H
1000695	55510 SMF	M55H	55	560	90	L1	207×175×190	B13	0	12.7	72/100	SMF+, ME, H
1000696	56249 SMF	M62	62	600	104	L2B	242×175×175	B13	0	13.7	63/108	SMF+, ME, H
1000697	56649 SMF	M66H	66	640	112	L2	242×175×190	B13	0	14.8	63/90	SMF+, ME, H
1000698	57510 SMF	M75	75	720	130	L3B	278×175×175	B13	0	16.5	51/96	SMF+, ME, H, HD
1000700	57549 SMF	M75H	78	750	136	L3	278×175×190	B13	0	17.4	51/80	SMF+, ME, H, HD
1000701	58514 SMF	M85	85	800	150	L4B	315×175×175	B13	0	19.0	42/72	SMF, ME, H, HD
1000703	60044 SMF	M100H	100	900	182	L5	353×175×190	B13	0	22.3	36/60	SMF, ME, H, HD
1000862	61002 SMF	M110H	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 Heavy Duty



TAB Polar Batteries

ESSENTIAL EFFICIENCY
UNMATCHED RELIABILITY

TAB Polar batteries are the ideal solution for vehicles with standard electrical equipment, offering superior starting power, exceptional performance, and unwavering reliability.

Designed to be the ultimate all-rounder, TAB Polar batteries deliver excellent power, impressive capacity, and outstanding cold-start performance to keep you moving in any condition. Equipped with a Maintenance Free SMF cover, these batteries ensure optimal spill protection and require no maintenance throughout their lifespan.

With a diverse range of sizes and capacities, TAB Polar batteries are a high-quality choice for vehicles of every class, providing a perfect fit for almost any vehicle.

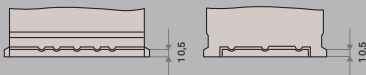


MAIN FEATURES

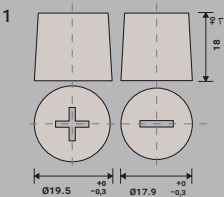
- **High Starting Power:** Delivers exceptional starting capabilities for reliable performance.
- **Enhanced Safety:** Explosion protection prevents sparks from entering the battery.
- **Reliable in Extreme Conditions:** Designed to perform dependably in even the most challenging climates.
- **Leak Protection:** 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.
- **Maintenance Free:** Designed for hassle-free use with no maintenance required throughout the battery's life.

BHD

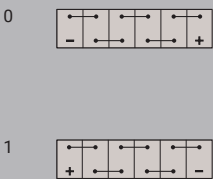
B13



TERMINALS



LAYOUT



APPLICATION

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

TAB 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
1000861	54506	P45	45	400	71	L0	175×175×190	B13	0	10.4	72/120	K
1000864	54002 SMF	S40	40	360	62	L1B	207×175×175	B13	0	10.6	72/120	SMF+, H
1000876	54003 SMF	S40X	40	360	62	L1B	207×175×175	B13	1	10.6	72/120	SMF+, H
1000865	54502 SMF	S45	45	420	71	L1B	207×175×175	B13	0	11.1	72/120	SMF+, H
1000914	54559 SMF	P45H	45	400	71	L1	207×175×190	B13	0	11.5	72/100	SMF+, H
1000866	55010 SMF	S50H	50	450	81	L1	207×175×190	B13	0	12.0	72/100	SMF+, H
1000881	55001 SMF	P50	50	450	81	L2B	242×175×175	B13	0	12.6	63/108	SMF+, H
1000867	55509 SMF	S55	55	500	90	L2B	242×175×175	B13	0	13.2	63/108	SMF+, H
1000897	55559 SMF	P55H	55	500	90	L2	242×175×190	B13	0	13.7	63/90	SMF+, H
1000868	56008 SMF	S60H	60	600	100	L2	242×175×190	B13	0	14.2	63/90	SMF+, H
1000878	56013 SMF	S60HX	60	600	100	L2	242×175×190	B13	1	14.2	63/90	SMF+, H
1000884	57044 SMF	P70	70	620	120	L3B	278×175×175	B13	0	15.4	51/96	SMF+, H, HD
1000872	57309 SMF	S73	73	630	126	L3B	278×175×175	B13	0	15.8	51/96	SMF+, H, HD
1000917	57009 SMF	S70H	70	640	120	L3	278×175×190	B13	0	16.0	51/80	SMF+, H, HD
1000873	57412 SMF	S74H	74	680	128	L3	278×175×190	B13	0	17.3	51/80	SMF+, H, HD
1000890	57413 SMF	S74HX	74	680	128	L3	278×175×190	B13	1	17.3	51/80	SMF+, H, HD
1000888	59249 SMF	P92H	92	800	165	L4	315×175×190	B13	0	19.8	42/60	SMF, H, HD
1000875	59220 SMF	S92	92	800	165	L5B	353×175×175	B13	0	20.3	36/72	SMF, H, HD
1000901	59222 SMF	S92H	92	800	165	L5	353×175×190	B13	0	21.0	36/60	SMF, H, HD
1000907	60038 SMF	S10H	100	850	182	L5	353×175×190	B13	0	22.1	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

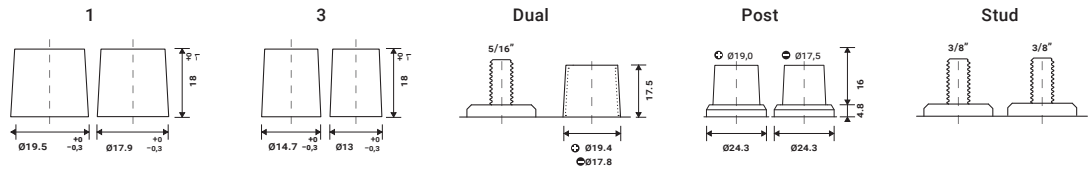
APPLICATION



TAB Polar JIS and BCI Types
Flooded Starter Batteries, **Ca/Ca** Technology

TAB 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
1000930	53520 SMF	S35J	35	270	53	B19	196×128×202/223	B0	0	9.4	96/128	SMF, H, JIS
1000942	53522 SMF	S35JX	35	270	53	B19	196×128×202/223	B0	1	9.4	96/128	SMF, H, JIS
1000923	53521 SMF	S35JP	35	270	53	B19	196×134×202/223	B01	0	9.4	96/128	SMF, H, JIS
1000877	54520 SMF	S45J	45	360	71	B19	196×134×202/223	B01	0	10.5	96/128	SMF, H, JIS, A
1000905	54522 SMF	S45JX	45	360	71	B19	196×134×202/223	B01	1	10.5	96/128	SMF, H, JIS, A
1000931	54523/84 SMF	S45JA	45	360	71	B24	236×128×202/223	B0	0	11.7	72/96	SMF, H, JIS, A
1000943	54524/51 SMF	S45JAX	45	360	71	B24	236×128×202/223	B0	1	11.7	72/96	SMF, H, JIS, A
1000932	55523/84 SMF	S55JA	55	490	90	B24	236×128×202/223	B0	0	13.1	72/96	SMF, H, JIS, A
1000924	55524/51 SMF	S55JAX	55	490	90	B24	236×128×202/223	B0	1	13.1	72/96	SMF, H, JIS, A
1000933	56068 SMF	S60J	60	600	100	D23	230×173×200/221	B01	0	14.7	60/90	SMF, ME, H
1000944	56069 SMF	S60JX	60	600	100	D23	230×173×200/221	B01	1	14.7	60/90	SMF, ME, H
1000935	56568 SMF	S65J	65	650	110	D23	230×173×200/221	B01	0	15.3	60/90	SMF, ME, H
1000945	56569 SMF	S65JX	65	650	110	D23	230×173×200/221	B01	1	15.3	60/90	SMF, ME, H
1000936	57029 SMF	S70J	70	700	120	D26	259×175×200/221	B1	0	17.1	48/80	SMF, ME, H
1000925	57024 SMF	S70JX	70	700	120	D26	259×175×200/221	B1	1	17.1	48/80	SMF, ME, H
1000937	57529 SMF	S75J	75	740	130	D26	259×175×200/221	B1	0	17.9	48/80	SMF, ME, H
1000926	57524 SMF	S75JX	75	740	130	D26	259×175×200/221	B1	1	17.9	48/80	SMF, ME, H
1000941	59518 SMF	S95J	95	850	171	D31	306×173×200/221	B01	0	20.8	42/70	SMF, ME, H
1000947	59519 SMF	S95JX	95	850	171	D31	306×173×200/221	B01	1	20.8	42/70	SMF, ME, H
1000920	BCI 31P SMF	P90BCIP	90	800	161	BCI 31	330×173×218/239	B1	0	23.1	42/60	SMF, ME, H, HD, P
1000928	BCI 31S SMF	P100BCIS	100	900	182	BCI 31	330×173×218/239	B1	0	24.0	42/60	SMF, ME, H, HD, S
1000909	BCI 31 SMF-D	S110BCID	110	1000	203	BCI 31	330×173×218/237	B1	0	26.2	42/60	SMF, ME, H, HD, DP

TERMNINALS



REMARKS

- SMF** Sealed Maintenance Free

H Handle

JIS Japanese Poles
- A** Pole Adapter

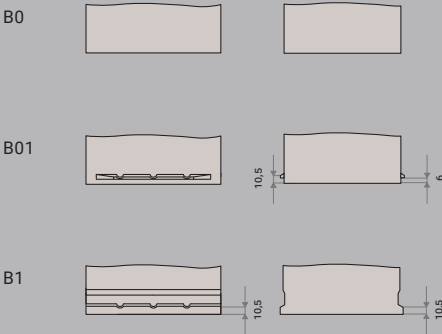
ME Electrolyte Level Indicator

HD Heavy Duty
- P** Post Poles

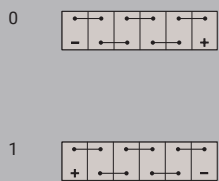
S Stud Poles

DP Dual Poles

BHD



LAYOUT



TAB Mower Batteries

IDEAL CHOICE TO POWER
YOUR LAWN EQUIPMENT

TAB Mower starter batteries are designed to provide reliable power for lawn mowers and garden tractors. Combining advanced technology with robust construction, these batteries ensure dependable performance even in demanding conditions.

TAB Mower starter batteries combine reliability, longevity, and efficiency to keep your equipment running smoothly throughout the seasons.



MAIN FEATURES

- **High Starting Power:** Deliver consistent and powerful cranking, perfect for starting small engines effortlessly.
- **Maintenance-Free Design:** Sealed, spill-proof, and maintenance-free, ensuring hassle-free operation.
- **Durable Construction:** Built to withstand vibrations, offering long-lasting performance.



REMARKS

SMF Sealed Maintenance Free
H Handle
M Lawn Mower Battery

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

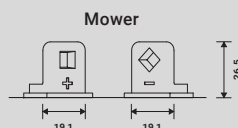
TAB ID	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000823	U1R-25	25	250	36	U1	196×127×159/185	B0	0	7.2	96/128	SMF, H, M
1000825	U1-25	25	250	36	U1	196×127×159/185	B0	1	7.2	96/128	SMF, H, M
1000824	U1R-32	32	350	48	U1	196×127×159/185	B0	0	8.0	96/128	SMF, H, M
1000826	U1-32	32	350	48	U1	196×127×159/185	B0	1	8.0	96/128	SMF, H, M

BHD

B0

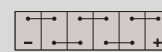


TERMINALS

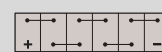


LAYOUT

0



1



APPLICATION





TAB OEM Batteries

PROVIDES THE
UNCOMPROMISING PERFORMANCE

TAB OEM batteries are designed to meet demanding equipment manufacturer (OEM) standards, these batteries deliver unmatched performance, reliability and durability. Designed to outperform standard batteries they ensure superior power, longevity and efficiency.

TAB OEM batteries are perfect for applications that demand uncompromising quality.



MAIN FEATURES

- **High Starting Power:** Delivers exceptional starting capabilities for reliable performance.
- **Reliable in Extreme Conditions:** Designed to perform dependably in even the most challenging climates.

nano



REMARKS

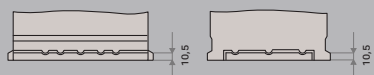
- SMF+** Enhanced SMF
ME Electrolyte Level Indicator
H Handle
EMS Electrolyte Mixing System
KH Kamina Handle
HD Heavy Duty
EV On-board Battery in Electrical Vehicle

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

TAB 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	OE part nr.
1001228	55512 SMF	OEM55V	55	560	90	L1	207×175×190	B13	0	15.0	72/100	SMF+, ME, H, EMS, VW, EV	1S0 915 105B
1001229	57012	OEM70A	70	640	120	L3	278×175×190	B13	0	17.4	51/80	KH, HD, AGCO	4352499M1
1001230	57512	OEM75T	75	640	130	L3	278×175×190	B13	0	17.4	51/80	KH, HD, THERMO KING	1E53683H01 / 3E48163G01
1001231	59249	OEM92T	92	760	165	L4	315×175×190	B13	0	20.7	42/60	KH, HD, THERMO KING	1E41235H01 / 3E48463G01
1001227	61038	OEM105A	105	880	192	L5	353×175×190	B13	0	23.1	36/60	KH, HD, AGCO	4274213M1

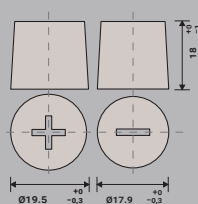
BHD

B13



TERMINALS

1



LAYOUT

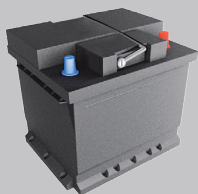
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APPLICATION



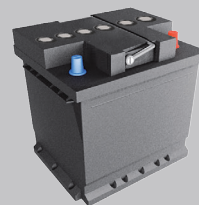
L1B SMF+
207×175×175
B13



L1 SMF+
207×175×190
B13



L1 AGM
207×175×190
B13



L2B SMF+
242×175×175
B13



L2 SMF+
242×175×190
B13



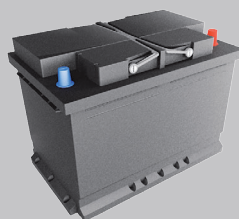
L2 AGM
242×175×190
B13



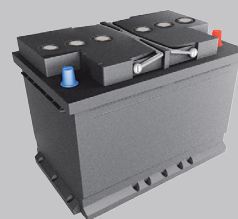
L3B SMF+
278×175×175
B13



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

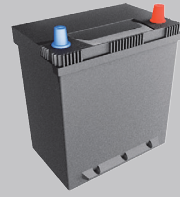
L6
394×175×190
B13



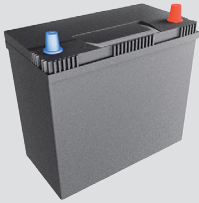
L6 AGM
394×175×190
B13



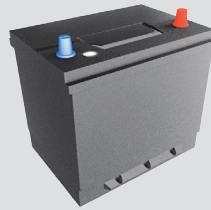
B19
196×134×202/223
B01



B24
236×128×202/223
B0



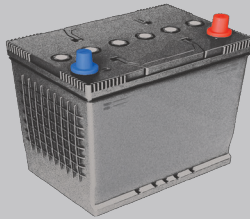
D23
230×173×200/221
B01



D26
259×175×200/221
B1



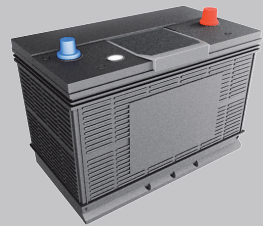
D26 AGM
261×173×198/220
B1



D31
306×173×200/221
B01



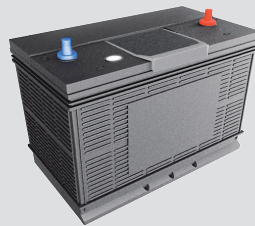
BCI 31 SMF
330×173×218/239
B1



BCI 31 DUAL SMF
330×173×218/237
B1



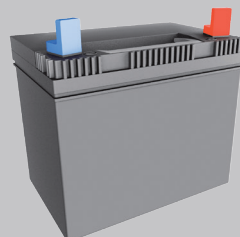
BCI 31 STUD
330×173×218/239
B1



L0
175×175×190
B13



Mower
196×127×159/185
B0



Excellent Power for the Powerful.



- 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
- Vibration Resistance
- Electrolyte Mixing System

Commercial Vehicle Batteries

TAB Range	TAB AGM	TAB EFB	TAB Magic Truck	TAB Polar Truck
				
Technology	AGM	EFB	Flooded Ca/Ca	Flooded Ca/Ca
Application	Recent commercial vehicles with increased energy demands for long-distance traffic, including advanced hoteling functions, numerous comfort and safety features, as well as off-highway and heavy-duty applications.	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+	V4	V3/V4 (depending on a type)	V3
Maintenance	Maintenance Free	Maintenance Free	Maintenance Free	Maintenance Free (electrolyte accessible)
Cold Cramping Amps (CCA)				
Charge Acceptance				
Cycle life				
Deep-Cycle Resistance				
Replacement	AGM	EFB or AGM	Equivalent or better	Equivalent or better

TAB AGM Commercial Vehicle Batteries

UNCOMPROMISING ENERGY
FOR LIFE ON THE ROAD

Long-haul transportation places extreme demands on vehicle power systems. Modern trucks are no longer just vehicles—they are mobile workplaces and living spaces, equipped with numerous electrical consumers that must operate reliably, day and night, in all conditions. From climate control and parking heaters to refrigerators, lighting, and multimedia systems, uninterrupted energy supply is essential for comfort, safety, and efficiency.

TAB AGM Truck commercial batteries are engineered for the demands of modern long-distance transport. With advanced AGM technology and a valve-regulated design, they deliver high energy availability, strong cycling capability, and reliable starting power—even after extended rest periods. This makes them ideal for trucks operating far from charging infrastructure and relying on onboard electrical equipment during overnight stops. Built for harsh conditions, TAB AGM Truck batteries offer excellent resistance to vibration, corrosion, and deep cycling. Their maintenance-free design ensures dependable, worry-free operation throughout their service life. With TAB AGM Truck batteries, every journey is powered by reliability, durability, and energy security.



MAIN FEATURES

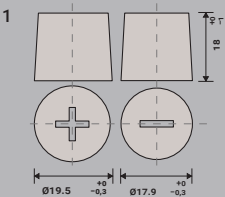
- **VRLA Technology (Valve-Regulated Lead-Acid):** Sealed, maintenance-free design that ensures safe operation and eliminates water refilling throughout the battery's service life.
- **Extended Cycle Life:** Delivers up to three times the cycling capability of conventional truck batteries, making it ideal for intensive long-haul operation.
- **Reliable Starting Power:** Provides full starting performance even after long periods of vehicle inactivity or overnight energy consumption.
- **High Corrosion Resistance:** Enhanced internal materials reduce corrosion, extending battery life in demanding commercial environments.
- **Constant Power Supply:** Ensures stable and uninterrupted energy for all onboard systems, including comfort, safety, and multimedia equipment.
- **Fast Charge Acceptance:** Optimized AGM design enables rapid recharging, supporting efficient energy recovery during driving periods.

BHD

B0



TERMINALS



LAYOUT





APPLICATION



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

TAB 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
1028163	C AGM	AG22	225	1250	490	C	518×274×216/243	B0	3	62.0	18	AGM, SMF, H, HD, V4+

Engineered for Efficiency,
BUILT FOR PERFORMANCE.

BATTERY REPLACEMENT

- **Maximum Vibration Resistance:** Engineered to withstand extreme vibration, making it perfectly suited for rear-of-frame installations.
- **Central Gas Venting System:** Integrated central vent with flame arrestor ensures controlled gas release and increased operational safety.
- **Short-Circuit Protection:** Built-in safety features protect both the vehicle's electrical system and the driver.
- **No Acid Stratification:** AGM technology prevents electrolyte stratification, ensuring consistent performance and longer service life.
- **Zero Water Consumption:** Fully sealed construction eliminates water loss, reducing maintenance requirements and operating costs.



REMARKS

AGM Absorbed Glass Mat
SMF Sealed Maintenance Free

H Handle
HD Heavy Duty

V4+ Vibration Resistance (EN-50342-1)



TAB EFB Commercial Vehicle Batteries

POWERING THE
FUTURE OF TRANSPORTATION

Advanced commercial vehicle market is increasing the demand for electric power. New vehicle comfort and safety features demand ever more energy. Frequent and irregular stops necessitates a power source with sufficient starting power reserve and one which can charge in a very short time. Our TAB EFB TRUCK batteries are designed to reliably provide this energy.

Our unique cell design provides vertical agitation of the electrolyte, which improves the overall efficiency of the active material. To the well-known HD (Heavy Duty) design, where the plate stacks are fixed at the bottom, we have added VTL (Vibration Top Locking) elements. This locks every component of the cell regardless of the direction and profile of vibration, improving vibration resistance of the battery.

Engineered for Efficiency,
BUILT FOR PERFORMANCE.



MAIN FEATURES

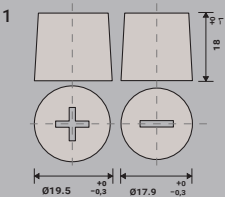
- **Euro 6 Compatible:** Designed for Euro 6 trucks, including “end of frame” installations, ensuring compatibility with modern vehicle standards.
- **Electrolyte Mixing System:** Promotes acid motion in a vertical direction, helping to eliminate stratification for improved battery efficiency and longer 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

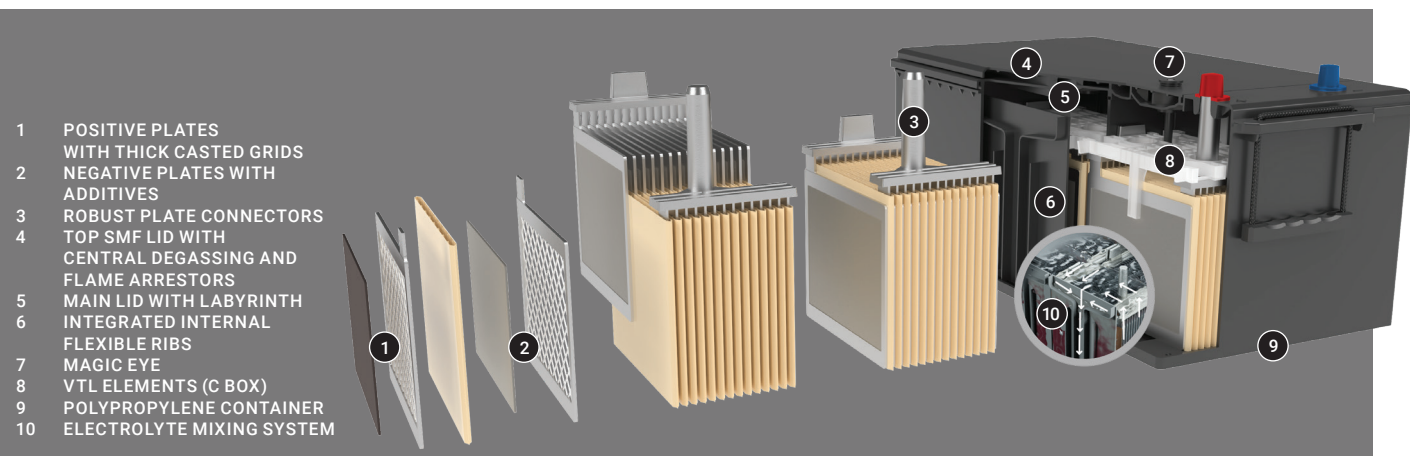




TAB ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	L×W×H (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1001918	69032 EFB	SG19	190	1100	385	B	513×222×194/216	B0	3	44.8	21/28	SMF, ME, H, HD, EMS, V4
1001778	74027 EFB	SG24	240	1250	506	C	517×275×214/236	B0	3	58.2	18/24	SMF, ME, H, HD, EMS, V4



SMF	Sealed Maintenance Free	H	Handle	EMS	Electrolyte Mixing System
ME	Electrolyte Level Indicator	HD	Heavy Duty	V4	Vibration Resistance (EN-50342-1)



TAB Magic Truck Batteries

HIGH PERFORMANCE
FOR DEMANDING APPLICATIONS

TAB Magic Truck commercial vehicle batteries feature the latest advancements in manufacturing technology, delivering exceptional cold-start performance and reliable power to meet the high-energy demands of modern commercial vehicles.

Designed to withstand the rigors of heavy-duty use, these batteries ensure optimal performance for vehicles with high electrical loads. The SMF (Sealed Maintenance Free) cover offers complete spill protection and requires no maintenance throughout the battery’s life.

TAB Magic Truck batteries are the ideal choice for commercial vehicles requiring dependable, long-lasting power in demanding environments.

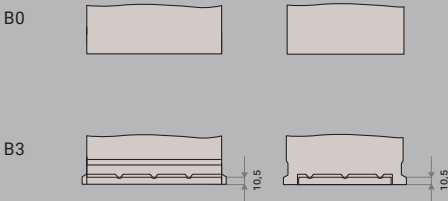
Driven by Innovation,
DEFINED BY RELIABILITY.
TAB Magic Truck batteries.



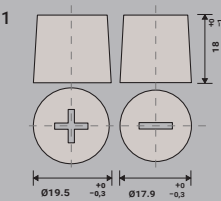
MAIN FEATURES

- **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.

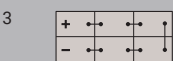
BHD



TERMINALS



LAYOUT



APPLICATION



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

TAB ID	DIN marking	Short code	C20 (Ah)	EN (A)	RC (min)	Box type	LxWxH (mm)	BHD	Layout	Weight (kg)	PCS/Pallet (EUR/CNT)	Remarks
1000493	63544 SMF	TM13M	135	850	258	MAC110	509×175×196/218	B3	3	33.1	24/40	SMF, ME, H, HD
1001224	64030 SMF	TM14	140	850	269	A	507×188×200/222	B0	3	35.3	24/35	SMF, ME, H, HD
1000497	65048 SMF	TM15M	150	1000	292	MAC110	509×175×196/218	B3	3	36.4	24/40	SMF, ME, H, HD
1001756	65018 SMF	TM15	150	950	292	B	513×222×194/216	B0	3	39.6	21/35	SMF, ME, H, HD, EMS, V4
1001474	68032 SMF	TM18	180	1100	361	B	513×222×194/216	B0	3	42.8	21/28	SMF, ME, H, HD, EMS, V4
1000249	70027 SMF	TM20	200	1200	409	C	517×275×214/236	B0	3	52.5	18/24	SMF, ME, H, HD, EMS, V4
1000391	72527 SMF	TM22	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)



TAB Polar Truck Batteries

SUPERIOR POWER
FOR COMMERCIAL VEHICLES

TAB Polar Truck battery is designed for commercial vehicles with a standard level of electrical equipment, offering exceptional starting power, performance, and reliability.

Built to handle the demands of modern trucks, it provides consistent performance in both everyday use and challenging conditions.

The TAB Polar Truck battery is the ideal solution for commercial vehicles that require reliable, high-performance power in demanding environments.

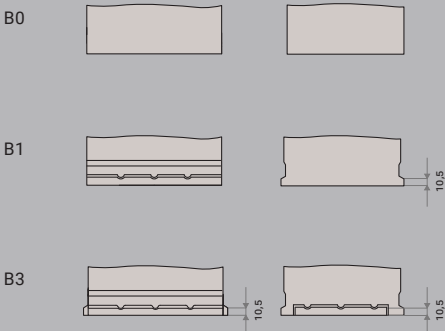
Superior Power
FOR EVERY CHALLENGE.
TAB Polar Truck batteries.



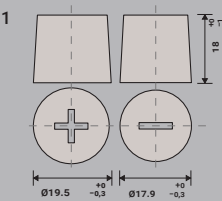
MAIN FEATURES

- **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.

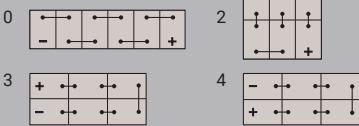
BHD



TERMINALS



LAYOUT



APPLICATION

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

TAB 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
1000291	61028	TR11	110	800	203	60528	345×172×218/238	B0	0	26.5	36/48	H
1000293	61028	TR11P	110	800	203	60528	345×175×218/238	B1	0	26.5	36/48	H
1001908	61044	TR11M	110	720	203	MAC110	509×175×182/202	B3	3	31.0	24/40	H, HD
1000292	62512	TR12H	125	800	236	62512	345×172×269/289	B0	0	31.0	24/36	H
1003036	63530	TR13A	135	850	258	A	513×189×194/216	B0	3	35.3	24/35	H, HD
1001912	63544	TR13M	135	850	258	MAC110	509×175×182/202	B3	3	33.1	24/40	H, HD
1003038	63545	TR13MR	135	850	258	MAC110	509×175×182/202	B3	4	33.1	24/40	H, HD
1032805	64517	TR14M	145	900	281	MAT132	509×175×186/206	B1	0	33.3	24/40	H, HD
1000479	67018	TR17	170	1050	338	B	512×223×194/216	B0	3	42.2	21/28	H, HD, EMS
1000480	67019	TR17R	170	1050	338	B	512×224×194/216	B3	4	42.2	21/28	H, HD, EMS
1000482	68032	TR18	180	1100	361	B	512×223×194/216	B0	3	42.8	21/28	H, HD, EMS
1000495	69032	TR19	190	1200	385	B	512×223×194/216	B0	3	42.8	21/28	H, HD, EMS
1003040	70027	TR20C	200	1200	409	C	518×273×214/235	B0	3	52.2	18/24	H, HD, EMS
1003041	72527	TR22	225	1300	469	C	518×273×214/235	B0	3	55.5	18/24	H, HD, EMS
1000013	6TN	TR11D7	110	740	203	D7	283×269×208/230	B0	2	30.8	24/36	H, HD
1000015	6TLD	TR12D7	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

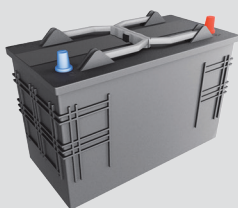
H Handle
HD Heavy Duty

EMS Electrolyte Mixing System



60528

345×172×218/238
B0

**62512**

345×172×269/289
B0

**D7**

283×269×208/230
B0

**MAC110**

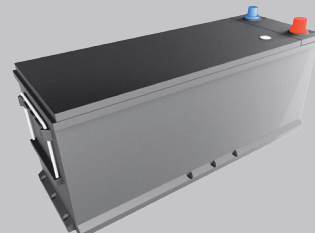
509×175×182/202
B3

**MAC110**

509×175×182/202
B3

**MAC110 SMF**

509×175×196/218
B3

**A**

513×189×194/216
B0

**A SMF**

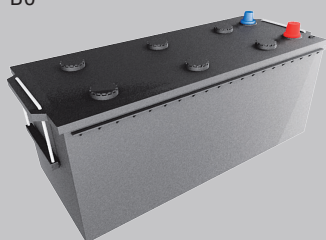
507×188×200/222
B0

**MAT132**

509×175×196/206
B1

**B**

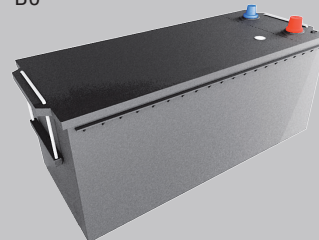
512×223×194/216
B0

**B**

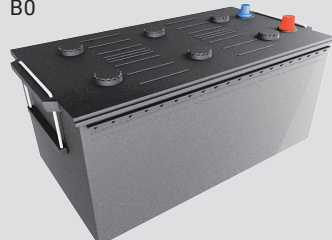
512×224×194/216
B3

**B SMF**

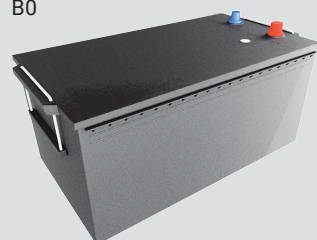
513×222×194/216
B0

**C**

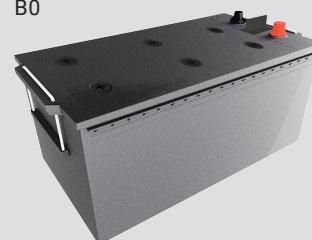
518×273×214/235
B0

**C SMF**

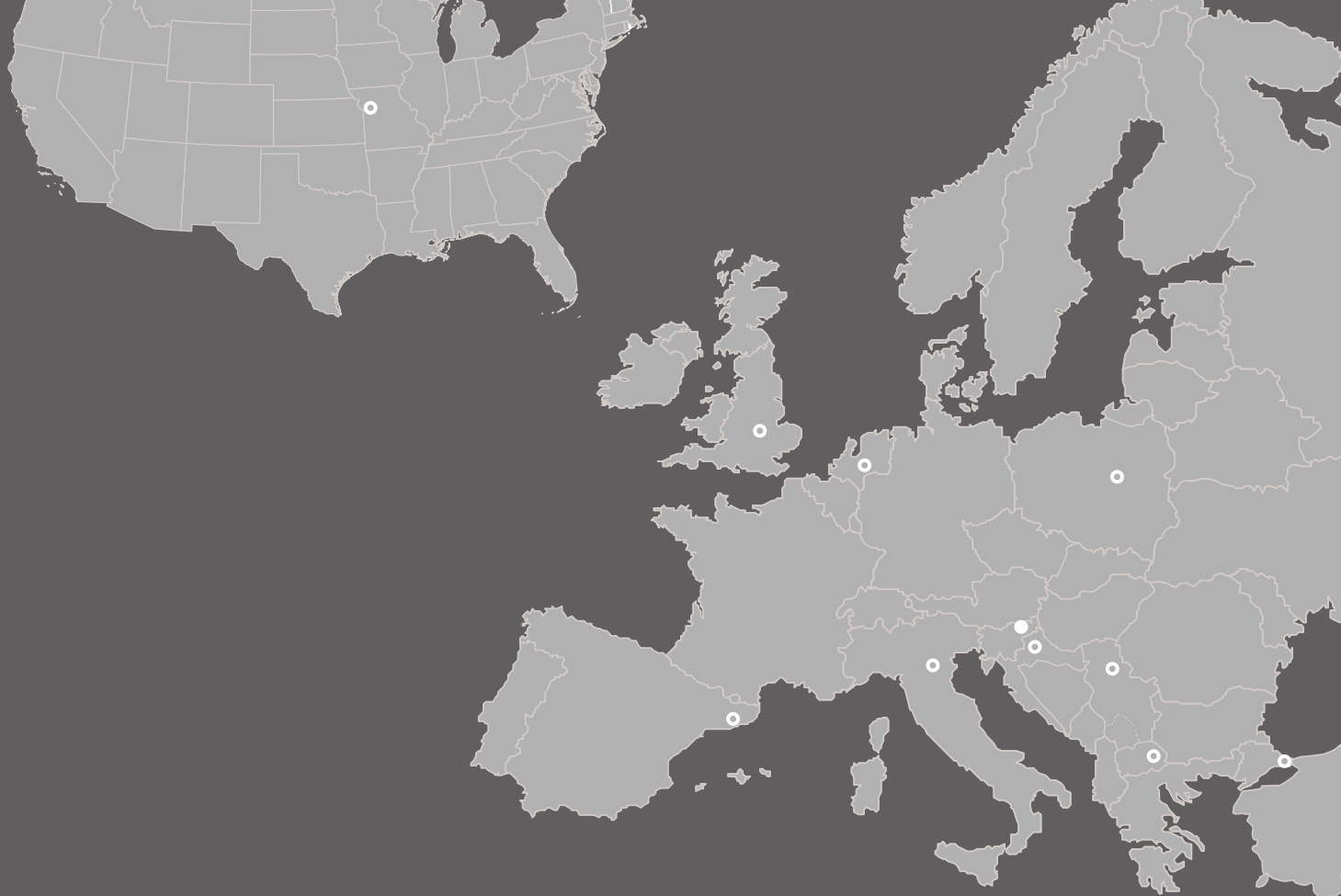
517×275×214/236
B0

**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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