TAB I





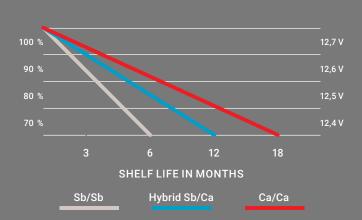
STARTER BATTERIES

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.

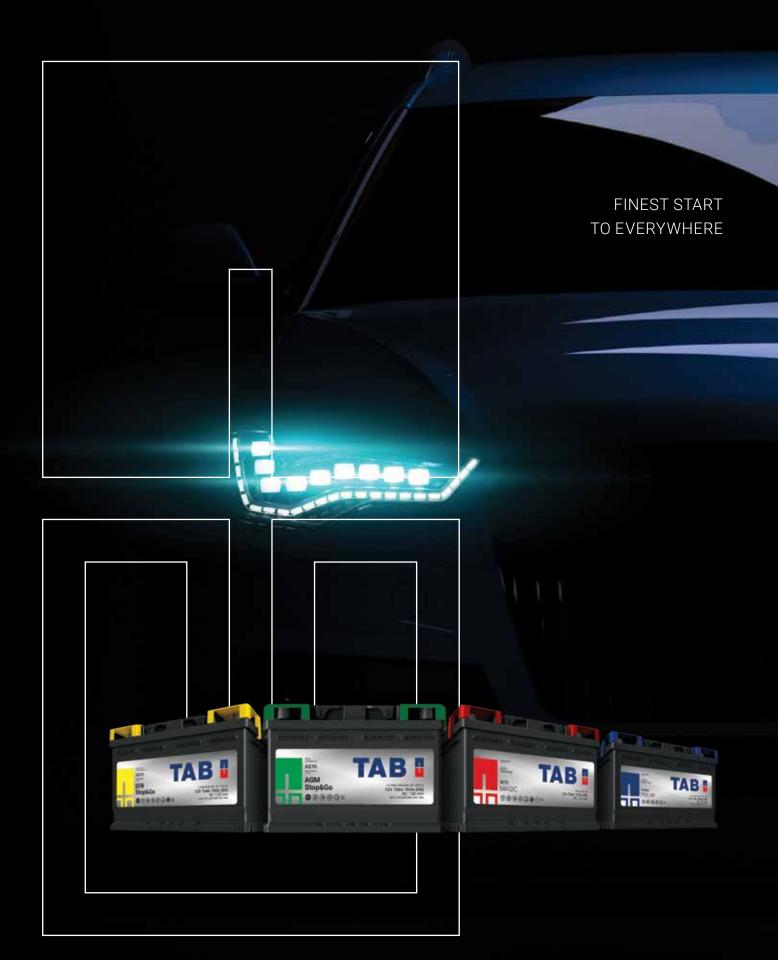
ADVANCED CHOICE

Allowable shelf life (SELF-DISCHARGE)



Water consumption (g/Ah)









PLASTIC

Recycled plastic (PP) pellets are suitable for production of new battery boxes and covers.





NEW COVERS AND BOXES





LEAD

Lead ingots made from recycled lead grids and other lead parts of battery (for example lead poles) and lead oxide, are used for production of new lead grids and oxide.





NEW GRIDS AND LEAD OXIDE





ELECTROLYTE

Sodium sulphate crystals are separated from electrolyte (dilute sulphuric acid) and reused in production of textiles, glass and detergents.

option 1





GLASS, TEXTILES AND DETERGENTS





ELECTROLYTE

In recycling process
the electrolyte
purified and used
in production of
new batteries. The
eliminated electrolyte
is neutralized in the
treatment plants: by
product is gypsum.

option 2



SULPHURIC ACID OR NEUTRALIZATION AND GYPSUM



NEW BATTERY

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.





TAB batteries

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) 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 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.

SUSTAINABLE BATTERY SOLUTIONS

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:

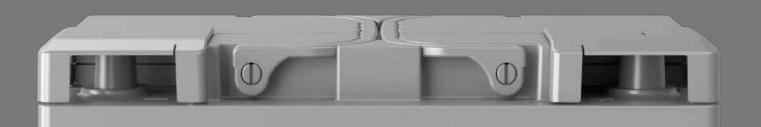
Our designed covers provide easy access to battery terminals on both sides, allowing cable connections without the need to remove the cover. This means quicker installations and maintenance, keeping you on the road longer.

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
	TAB I	TAB I STANDARD CONTRACTOR CONTRAC	TAB	TAB
Technology	AGM	EFB	Flooded	Flooded
Application	Recent vehicles and upmarket models with superior power needs, Start/Stop systems and regenerative breaking	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)	ШШ	шш	шш	шш
Charge Acceptance	ШШ	шш	шш	шш
Cycle life Cycle life compared to conventional batteries when used on Start/Stop vehicles	3Х	2X		
Consumers	ШШ	шш	шш	шш
Replacement	AGM	EFB or AGM	Equivalent or better	Equivalent or better

Advanced Performance and Ultimate Reliability.



TAB AGM Stop&Go Batteries

ADVANCED PERFORMANCE FOR START/STOP VEHICLES

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.

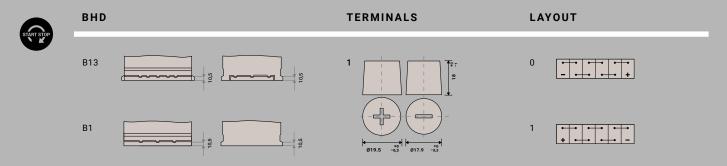
The battery cells are sealed with a pressure relief valve, and the electrolyte is immobilized within an Absorbed Glass Mat (AGM), ensuring maximum safety, efficiency and reliability. The plate stacks are maintained under pressure within the cells, enhancing the battery's overall performance and durability.

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.



- 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.



















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
1000799	L2 AGM	AG60	60	680	109	L2	242×175×190	B13	0	17.6	63/90	AGM, H
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

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°.

BATTERY REPLACEMENT





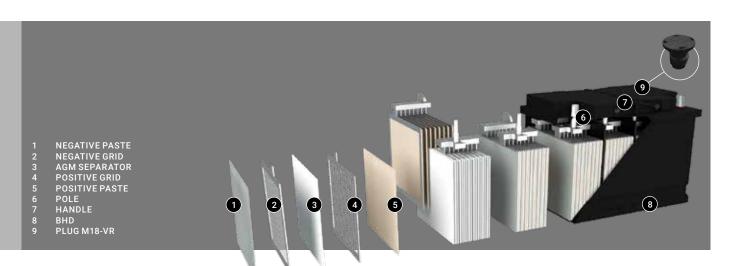






REMARKS

AGM Absorbed Glass Mat H Handle



TAB EFB Stop&Go Batteries

RELIABLE POWER FOR ENTRY-LEVEL START/STOP VEHICLES

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

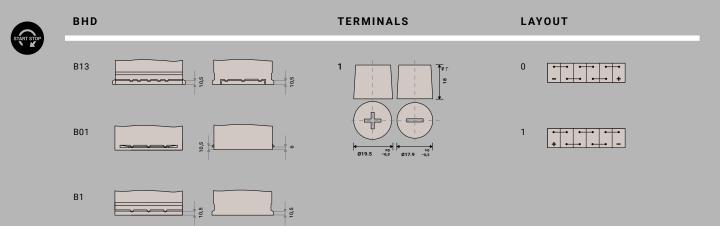
These advanced batteries incorporate the latest innovations in flooded battery manufacturing technology, delivering reliable power to meet the demands of modern vehicles equipped with basic Start/Stop functionality.

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.



- 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.

















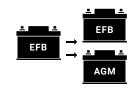
Enhanced Flooded Starter Batteries, Ca/Ca Technology

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	13.9	72/100	SMF+, ME, H
1000787	56088 EFB	SG60	60	640	100	L2	242×175×190	B13	0	16.6	63/90	SMF+, ME, H
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

• 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.

- **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.

BATTERY REPLACEMENT















REMARKS

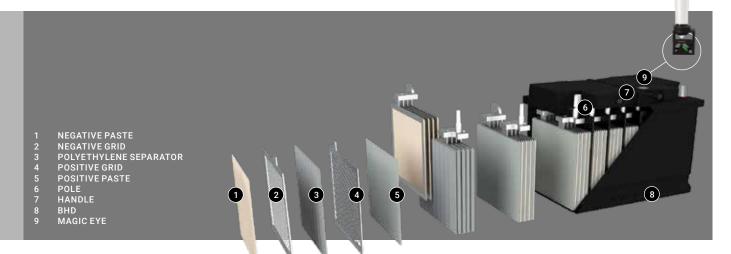
SMF+ Enhanced SMF SMF Sealed Maintenance Free ME Electrolyte Level Indicator

Handle

HD Heavy Duty

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





Engineered for Excellence.



Nano Technology

No Water Consumption









Extreme Climactic Conditions





Reduced need for Maintenance















TAB Magic Batteries

ADVANCED TECHNOLOGY FOR 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.

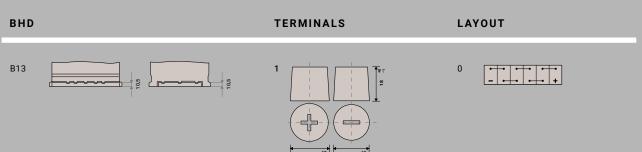
Additionally, the built-in Magic Eye allows users to easily and continuously monitor the battery's condition, ensuring optimal performance at all times.

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.



- 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.















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	М66Н	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

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.

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 ME Electrolyte Level IndicatorH Handle

HD Heavy Duty



TAB Polar Batteries

POWERING YOUR DRIVE WITH PERFORMANCE AND RELIABILITY

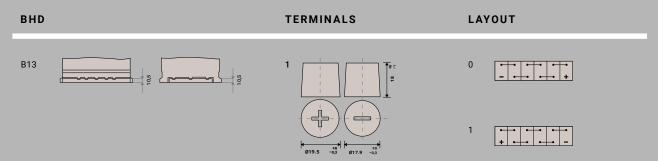
TAB Polar batteries are the ideal solution for vehicles with standard electrical equipment, offering superior starting power, exceptional performance, and unwavering reliability.

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.



- 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% spillproof 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.



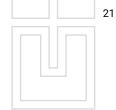












Flooded Starter Batteries, Ca/Ca Technology

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	LO	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

Handle Heavy Duty HD

Electrolyte Level Indicator Kamina

ME K

























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	В0	0	9.4	96/128	SMF, H, JIS
1000942	53522 SMF	S35JX	35	270	53	B19	196×128×202/223	В0	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	В0	0	11.7	72/96	SMF, H, JIS, A
1000943	54524/51 SMF	S45JAX	45	360	71	B24	236×128×202/223	В0	1	11.7	72/96	SMF, H, JIS, A
1000932	55523/84 SMF	S55JA	55	490	90	B24	236×128×202/223	В0	0	13.1	72/96	SMF, H, JIS, A
1000924	55524/51 SMF	S55JAX	55	490	90	B24	236×128×202/223	В0	1	13.1	72/96	SMF, H, JIS, A
1000933	56068 SMF	S60J	60	600	100	D23	230×173×200/220	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

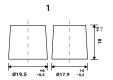
REMARKS

SMF Sealed Maintenance Free Handle

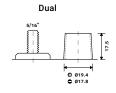
Japanese Poles JIS

Pole Adapter Electrolyte Level Indicator A ME

Heavy Duty Post Poles HD Stud Poles DΡ **Dual Poles**





















APPLICATION

TAB Mower Batteries

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	В0	0	7.2	96/128	SMF, H, M
1000825	U1-25	25	250	36	U1	196×127×159/185	В0	1	7.2	96/128	SMF, H, M
1000824	U1R-32	32	350	48	U1	196×127×159/185	В0	0	8.0	96/128	SMF, H, M
1000826	U1-32	32	350	48	U1	196×127×159/185	В0	1	8.0	96/128	SMF, H, M

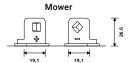
REMARKS

SMF Sealed Maintenance Free

Handle М

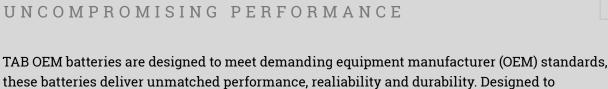
Lawn Mower Battery

TERMINALS



TAB OEM Batteries

PROVIDES THE UNCOMPROMISING PERFORMANCE



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

outperform standard batteries they ensure superior power, longevity and efficiency.



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.









REMARKS

SMF+ Enhanced SMF

ME Electrolyte Level Indicator

H Handle

EMS Electrolyte Mixing System KH Kamina Handle

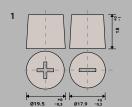
HD Heavy Duty

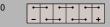
Flooded Starter Batteries, Ca/Ca Technology

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	1S0 915 105B
1001229	57012	ОЕМ70А	70	640	120	L3	278×175×190	B13	0	17.4	51/80	KH, HD, AGCO	4352499M1
1001230	57512	ОЕМ75Т	75	640	130	L3	278×175×190	B13	0	17.4	51/80	KH, HD, THERMO KING	1E53683H01 / 3E48163G01
1001231	59249	ОЕМ92Т	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 TERMINALS LAYOUT







APPLICATION







L0 175×175×190 B13

L1B SMF+ 207×175×175 B13



L1 SMF+ 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



L5 AGM 353×175×190 B13







L6 AGM 394×175×190 B13



B19 196×134×202/223 B01



B24 236×128×202/223



D23 230×173×200/221



D26 259×175×200/221



D26 AGM 261×173×198/220



D31 306×173×200/221 B01



BCI 31 SMF 330×173×218/239



BCI 31 DUAL SMF 330×173×218/237 В1



BCI 31 STUD 330×173×218/239 В1



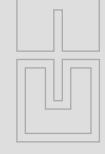
Mower

196×127×159/185 В0



Excellent Power for the Powerful.





Commercial Vehicle Batteries

TAB Range TAB EFB TAB Magic Truck TAB Polar Truck







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	Low Maintenance
Cold Cramping Amps (CCA)	шш	111111	ШШ
Charge Acceptance	шш	шш	шш
Cycle life	шш	шш	шш
Deep-Cycle Resistance	шш	шш	шш
Replacement	EFB	Equivalent or better	Equivalent or better

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.

29

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
1001918	69032 EFB	SG19	190	1100	385	В	513×222×194/216	В0	3	44.8	21/28	SMF, ME, H, HD, EMS, V4
1001778	74027 EFB	SG24	240	1250	506	С	517×275×214/236	В0	3	58.2	18/24	SMF, ME, H, HD, EMS, V4

TAB EFB Truck batteries are the ideal choice for modern commercial vehicles, providing the energy efficiency, performance, and reliability needed to power today's advanced transportation systems.

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.















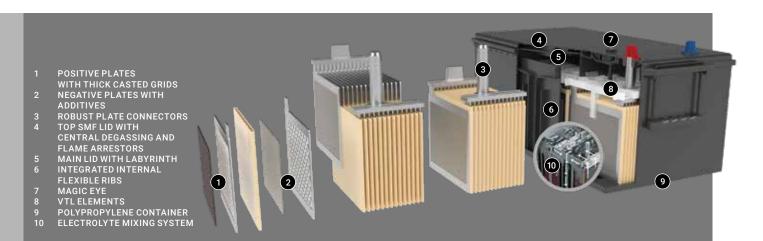




REMARKS

SMF Sealed Maintenance Free Electrolyte Level Indicator

Handle HD Heavy Duty EMS Electrolyte Mixing System 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.

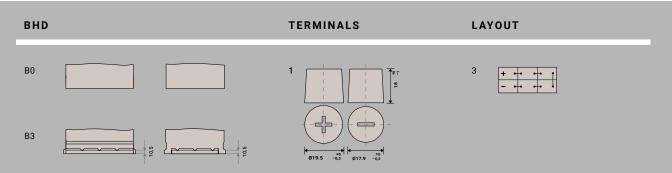
Designed to withstand the rigors of heavy-duty use, these batteries ensure optimal performance for vehicles with high electrical loads. The SMF (Sealed Maintenance Free) cover offers complete spill protection and requires no maintenance throughout the battery's life.

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.



- 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.















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
1000493	63544 SMF	TM13M	135	850	258	MAC110	509×175×196/218	В3	3	33.1	24/40	SMF, ME, H, HD
1001224	64030 SMF	TM14	140	850	269	Α	507×188×200/222	В0	3	35.3	24/35	SMF, ME, H, HD
1000497	65048 SMF	TM15M	150	1000	292	MAC110	509×175×196/218	В3	3	36.4	24/40	SMF, ME, H, HD
1001756	65018 SMF	TM15	150	950	292	В	513×222×194/216	В0	3	39.6	21/35	SMF, ME, H, HD, EMS, V4
1001474	68032 SMF	TM18	180	1100	361	В	513×222×194/216	В0	3	42.8	21/28	SMF, ME, H, HD, EMS, V4
1000249	70027 SMF	TM20	200	1200	409	С	517×275×214/236	В0	3	52.5	18/24	SMF, ME, H, HD, EMS, V4
1000391	72527 SMF	TM22	225	1300	469	С	517×275×214/236	В0	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 HandleHD Heavy Duty

EMS Electrolyte Mixing SystemV4 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.

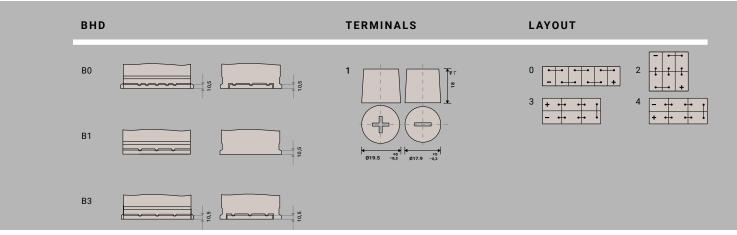
Built to handle the demands of modern trucks, it provides consistent performance in both everyday use and challenging conditions.

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.



- 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.











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	В0	0	26.5	36/48	Н
1000293	61028	TR11P	110	800	203	60528	345×175×218/238	B1	0	26.5	36/48	Н
1001908	61044	TR11M	110	720	203	MAC110	509×175×182/202	В3	3	31.0	24/40	H, HD
1000292	62512	TR12H	125	800	236	62512	345×172×269/289	В0	0	31.0	24/36	Н
1003036	63530	TR13A	135	850	258	А	513×189×194/216	В0	3	35.3	24/35	H, HD
1001912	63544	TR13M	135	850	258	MAC110	509×175×182/202	В3	3	33.1	24/40	H, HD
1003038	63545	TR13MR	135	850	258	MAC110	509×175×182/202	В3	4	33.1	24/40	H, HD
1000479	67018	TR17	170	1050	338	В	512×223×194/216	В0	3	42.2	21/28	H, HD, EMS
1000480	67019	TR17R	170	1050	338	В	512×224×194/216	В3	4	42.2	21/28	H, HD, EMS
1000482	68032	TR18	180	1100	361	В	512×223×194/216	В0	3	42.8	21/28	H, HD, EMS
1000495	69032	TR19	190	1200	385	В	512×223×194/216	В0	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	С	518×273×214/235	В0	3	55.5	18/24	H, HD, EMS
1000013	6TN	TR11D7	110	740	203	D7	283×269×208/230	В0	2	30.8	24/36	H, HD
1000015	6TND	TR12D7	125	900	236	D7	283×269×208/230	В0	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 HandleHD Heavy Duty

EMS Electrolyte Mixing System



60528 345×172×218/238 B0 MAC110 509×175×182/202

























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