

Invented for life



BOSCH

Optimal power for your journey

Bosch Batteries



Optimal power for your journey

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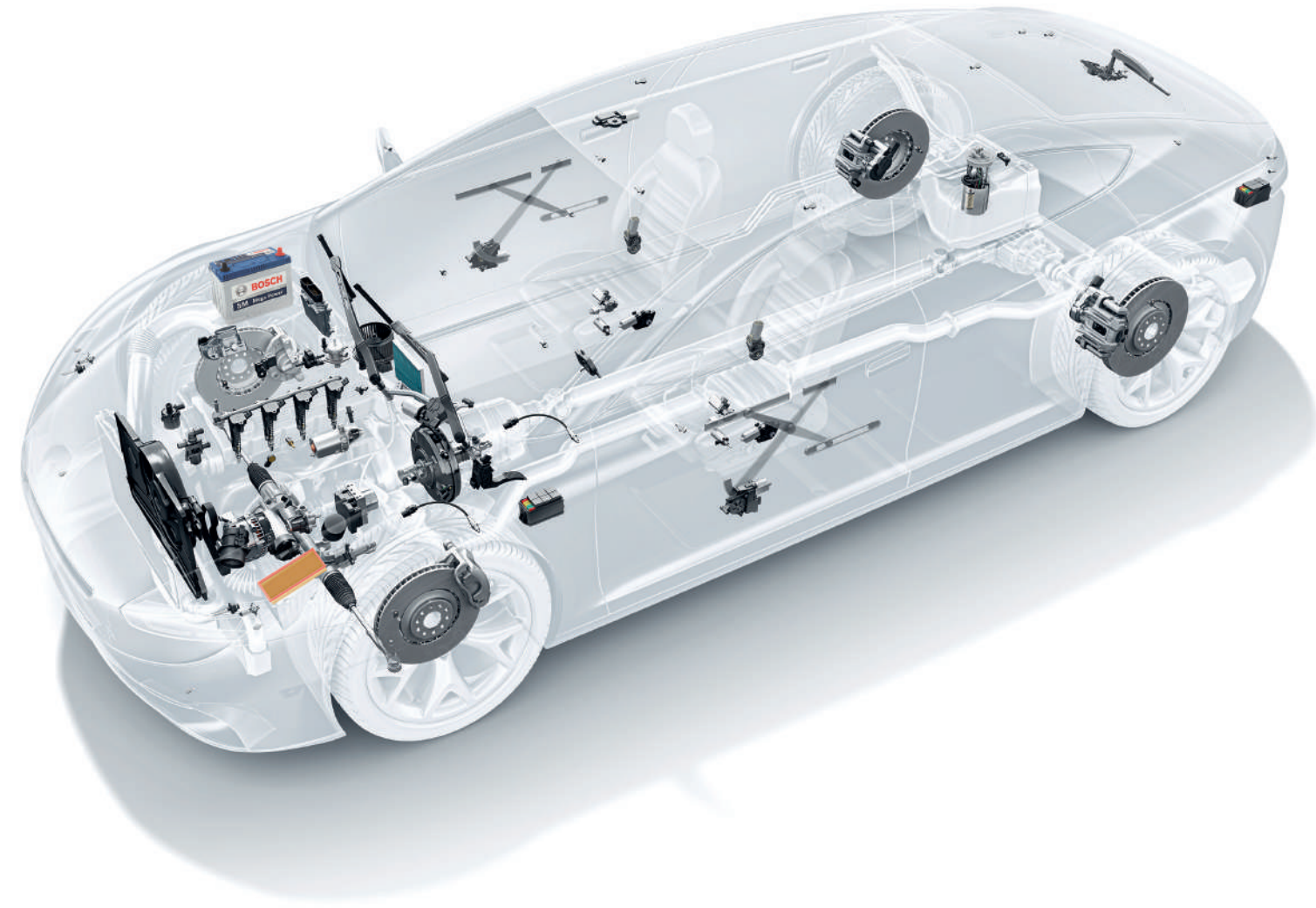
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Full Starting Power with Bosch Batteries



The Complete Battery Program from Bosch

Obvious, simple and compact - Bosch supplies the right battery for every need. Our cutting edge technology ensures reliable starting power to meet the increasing energy demand in new generation vehicles today, equipped with sophisticated electrical systems.

Assured Safety and Performance

Innovative technologies make a crucial contribution to the first-class quality and high performance capacity of Bosch batteries. They are specifically designed for different vehicle profiles and requirements. This guarantees maximum safety and reliability.

Battery Selection in Line with Customer Requests

Bosch has the battery for every customer and requirement. The battery selection is determined by the type of application, equipment, driveability and climate. Bosch batteries provide the market coverage you need for your success in the battery business.

Bosch Batteries

Passenger Car

The perfect source of power for every car

Bosch batteries overview

Modern cars today are fitted with features that require higher power than you think. With the increasing on-board electrical consumables, Bosch batteries provide consistent power supply ensuring the highest standards are met at all times.



The readers of the German automobile magazine "auto, motor und sport" have voted Bosch as the best brand in the battery category for nine times in a row.



	Hightec AGM	Hightec EFB	Hightec Silver AMS
Segmentation	ST	ST	AM
Application Characteristics	Vehicles with AGM as original equipment (OE) battery. Relevant for most Start-Stop engines with regenerative braking	Vehicles with entry-level Start-Stop technology	Vehicles with Alternator Management System
Technology	Absorbent Glass Mat (AGM) ★★★★★	Enhanced Flooded Battery (EFB) ★★★★★	Alternator Management System (AMS) ★★★★
Benefits	Higher recharging capacity and up to 3 times cyclic endurance than conventional battery	Extended cycle life with optimized power	High charge acceptance with enhanced durability to withstand frequent charge and discharge cycles
Maintenance Free	✓	✓	✓

	Mega Power	Mega Power Silver	Auxiliary
	SM	SM	AGM
	Standard vehicles with additional electrical components	Modern vehicles with sophisticated built-in electronic features	Vehicles with dual battery system. Provides backup power in case of emergency
	Calcium-Calcium Technology ★★	Calcium-Silver Technology ★★★	Absorbent Glass Mat (AGM) ★★★★★
	High starting power with minimum water loss	High corrosion resistance with increased service life	AGM technology offers long service life and is highly resilient to deep discharges
	✓	✓	✓

ST Hightec AGM

Passenger Car

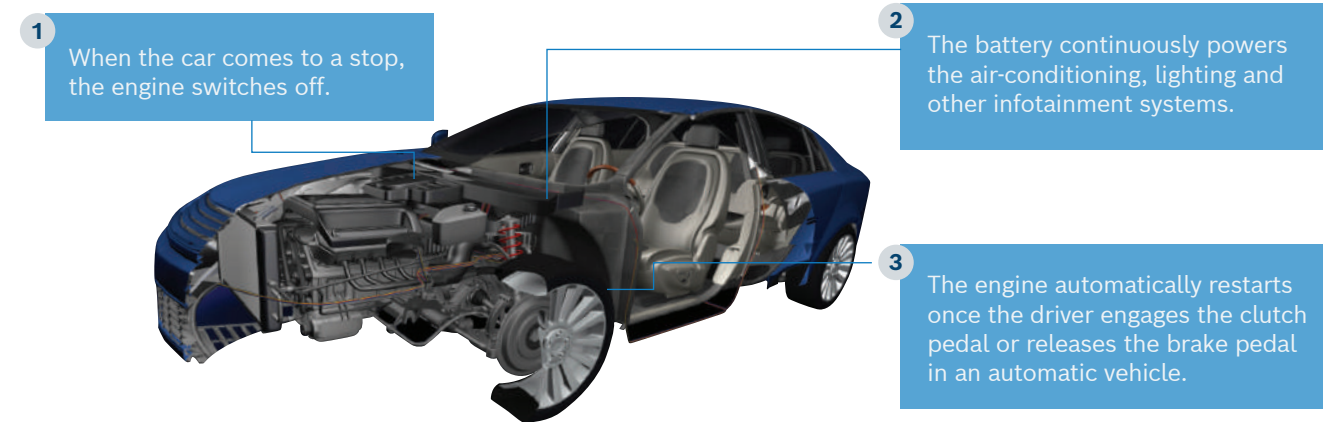


AGM Technology for Advance Start-Stop systems

Start-stop technology is rapidly gaining momentum in the market nowadays in an effort to reduce fuel consumption and CO₂ emissions.

In city traffic, the vehicle's electrical system can consume more power than the alternator can supply. Due to less charging opportunity in start-stop systems, it is crucial to have a battery that is able to recharge quickly with superior starting power to enable engine off-mode.

How Start-Stop Technology Works



Note: Check your original fitted battery. Vehicles with advanced start-stop function (e.g. with regenerative braking) usually require an AGM battery. If a non-AGM battery is used in a start-stop application requiring one, it will cause enormous stress on the battery plates and result in premature battery failure.

Benefits at a Glance



Extra Service Life Special Lid Structure

- Double lid with labyrinth construction prevents water loss

Wide Cast on Strap

- High vibration resistance minimizes shedding of active material

Polypropylene Case

- Made of highly durable material that can withstand high internal pressure



Assured Safety

- 100% leakage proof with AGM technology
- Eliminates emission of gases due to the recombinant nature
- Safety valves relieve excess pressure



Absorbent Glass Mat

- Electrolyte absorbed by micro-porous glass separators eliminates acid spills and terminal corrosion
- Optimized component compression minimizes loss of active material
- Maximizes charge reaction due to evenly distributed electrolyte



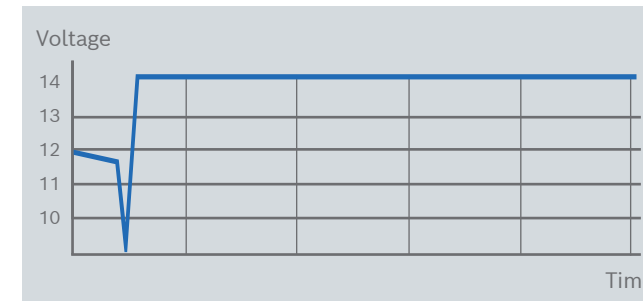
Centralized Grid Lug / Fine Mesh Grid

- Higher charging and discharging performance
- Designed for maximum current flow and high charge efficiency
- Made of Tin-Calcium material with high corrosion resistance
- Low internal resistance translates into higher power output

Load Diagram

Battery in conventional vehicle

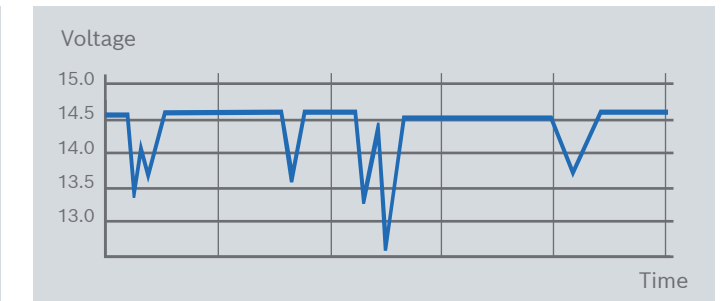
The battery requirements from charge / discharge cycles are in the "normal" range.



Characteristic: A start operation followed by recharging

Battery in start-stop vehicle

Start-stop system dramatically altered the load profile. It demands a battery which can withstand high cyclic frequency, ensuring a reliable power supply.



Characteristic: Large number of start operations, resulting in higher load on the battery

Why Should You Choose Bosch Hightec AGM Battery?

Technology



- 3 times greater cyclic endurance
- Longer service life due to the unique built-in features
- High charging acceptance to ensure sufficient power is always available

Safety



- 100% sealed and leak-proof
- Robustness to corrosion and internal short circuits
- High cranking performance even when in partial state of charge

Eco Innovation



- Recyclable shockproof housing made of polypropylene
- Acid binding characteristic reduces risk to the environment
- Supports start-stop system designed to reduce fuel consumption and CO₂ emissions

ST Hightec EFB

Passenger Car



Enhanced Performance for Entry-Level Start-Stop

Batteries with Enhanced Flooded Battery (EFB) technology are built for higher performance than conventional flooded batteries and to support entry level start-stop vehicles. Recommended for standard vehicles with high electrical demands as well.

EFB technology provides double the cyclic stability with high endurance from deep discharges.

- ▶ Designed for vehicles with entry-level Start-Stop technology for fuel efficiency
- ▶ Extended cycle life compared to conventional flooded battery
- ▶ Optimal operation in engine compartment
- ▶ High charging acceptance for the extra power and consistent performance

Benefits at a Glance



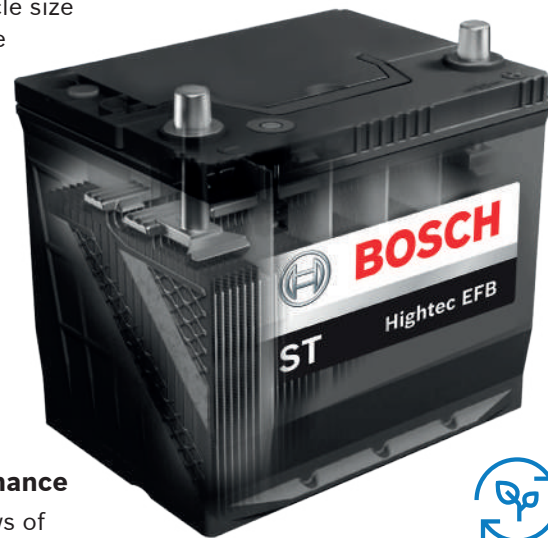
Extra Long Service Life

- High density active material and optimized particle size for longer service life



Start / Stop

- Special negative additives are added to reduce the shrinkage of active materials which increases charging acceptance



Extra High Performance

- Small-sized windows of the expanded grid reduces resistance and increases conductivity for consistent high performance



Eco Friendly

- Optimized negative grid alloy retards corrosion and prolongs the battery life cycle with high depth of discharge

Comparison Across Flooded Batteries

MP Silver



Hightec AMS



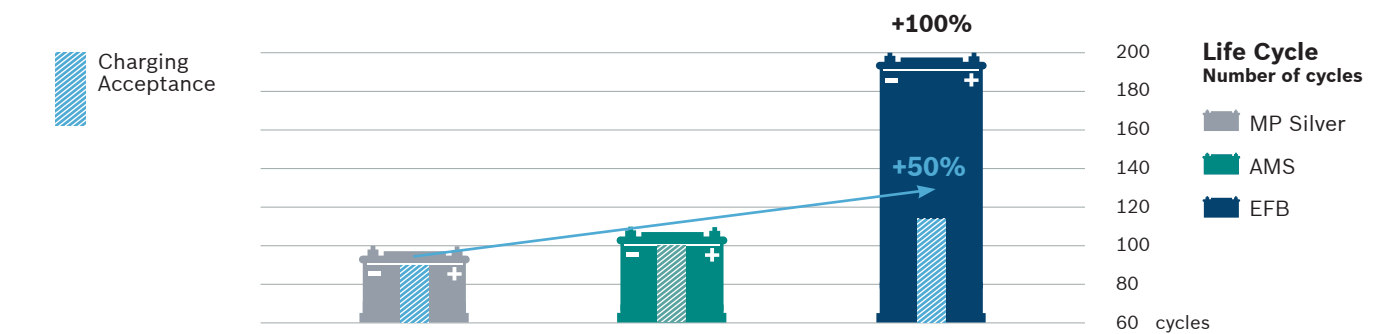
Hightec EFB



Vehicle Technology Charging Acceptance Price Index

Standard MF	★	\$
AMS	★★	\$\$
EFB	★★★	\$\$\$

★ Fair ★★ Good ★★★ Very Good \$ Very Economical \$\$ Economical \$\$\$ Premium



Battery Short Code Reference

SBA S0101
For Idling Stop System (ISS)

JIS D5301
For Non-ISS System

1 External dimension category

2 Performance ranking

3 Terminal position / polarity

Dimension Cross Reference					
D5301	SBA S0101		D5301	SBA S0101	
B17L B17R	J		D26L D26R	S	S-95 S-95R
B19L B19R	K	K-42 K-42R	D31L D31R	T	T-110 T-110R
B20L B20R	M	M-42 M-42R	E41L E41R	U	
B24L B24R	N	N-55 N-55R	F51	V	
D20L D20R	P		G51	W	
D23L D23R	Q	Q-85 Q-85R	H52	X	

AM Hightec Silver AMS

Passenger Car



The Right Power for Alternator Management System (AMS)

AMS constantly monitors your vehicle's operating conditions and battery state of charge to ensure optimized charge. It controls the alternator function and power supply to the battery to relieve engine workload under various conditions in an effort to reduce fuel consumption and emission.

Bosch Hightec Silver AMS battery has higher charge acceptance and characteristic to withstand the cyclic demands of AMS. Installing a conventional flooded battery in an AMS vehicle may shorten the battery's expected life span.

Benefits at a Glance



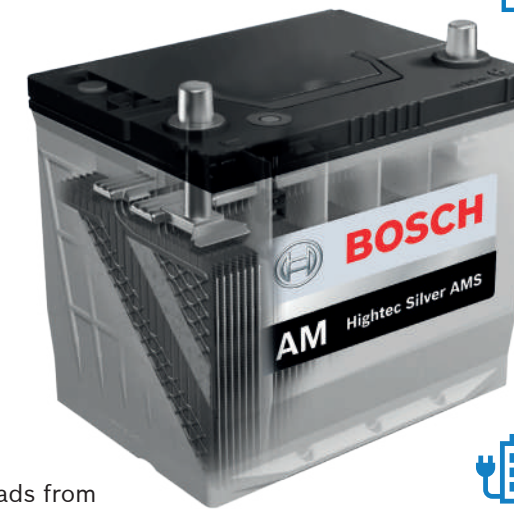
Enhanced Performance

- High density active material maximize conductivity which translates into greater power



Improved Durability

- Enhanced calcium lead alloy offers better corrosion and high-temp resistance
- Standard batteries are not robust enough to stand up to the demands of AMS for its frequent charging/discharging cycle



Additional Power

- Fulfill additional loads from electronic gadgets and entertainment systems
- A solution for modification enthusiasts



High Charging Acceptance

- Fine mesh grids minimize electric resistance
- Enables high recharge efficiency to ensure battery is in sufficient charge state

Is your car getting enough power?

In the dynamic world of automotive, your car may require more power than you think. More than 40% of vehicles in Japan are installed with AMS.

Low Charged Battery

If battery state of charge falls below an acceptable level, AMS will be disabled until the battery recovers.



Acceleration

Alternator voltage is reduced, even possible for the alternator to be completely shut down. Vehicle consumes electric power from the battery.



Fully Charged Battery

AMS automatically disengages the alternator.

Deceleration

Excess energy not used to propel the vehicle is directed to the alternator. Alternator voltage increases, enabling battery to be charged on a large scale.

SM Mega Power Silver

Passenger Car



Silver Technology for Optimal Performance

A dependable energy supply to the wide-ranging comfort and safety features is an important factor when choosing a battery. Bosch Mega Power Silver battery is the powerhouse for recent models or upmarket vehicles with multiple electronic consumables. Bosch innovative grid technology safeguards against performance loss over time.

- ▶ Approximately 30% higher starting power compared to a standard battery
- ▶ Reliable starting under extreme temperature
- ▶ Excellent corrosion resistance with increased service life
- ▶ Enhanced safety with labyrinth lid design and flame arrestor

Benefits at a Glance



Long Service Life

- Special tissue on positive plates prevents shedding of active materials, enhancing overall service life
- Stable silver alloy grid reduces corrosion rate and decreases self-discharge



Optimal Performance

- High density and special crystal structure of active material built to surpass original equipment specifications
- Stable design structure with silver technology supports additional safety features such as ESP and ABS
- Optimized silver alloy increases conductivity for higher charge acceptance



High Resistance

- Superior thermoplastic container
- High environmental resistance combined with outstanding aesthetics
- Greater resistance to gas and oil
- Excellent safety and recyclability through innovative container material

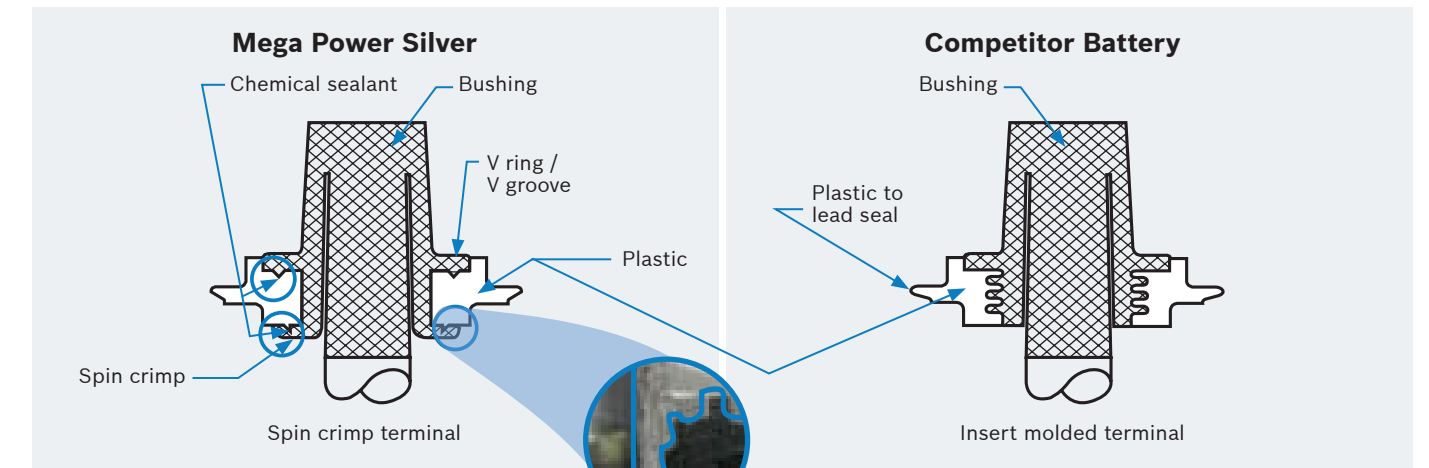


Assured Safety

- Completely sealed and maintenance free design
- Negative plates are entirely encapsulated with a tough polyethylene envelope separator which prevents short circuits due to overheating and overcharge
- Spin crimp terminals with special sealant prevent acid leakage

Spin Crimp Terminals

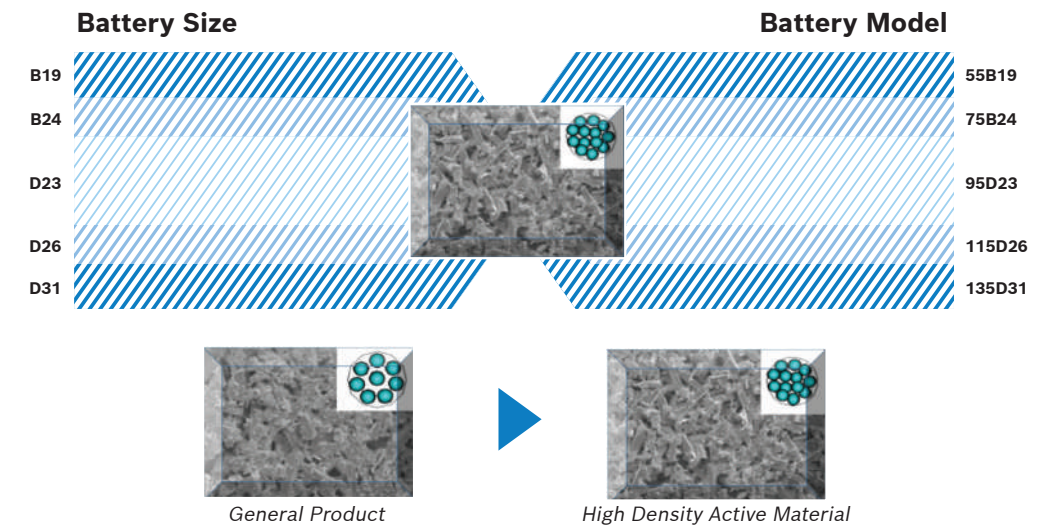
Acid leakage prevention: Spin crimp terminal is similar to a rivet joint. Special sealant is added to prevent acid leakage



- ▶ High vibration / torque resistance
- ▶ Tight sealing using mechanical force with special added sealant

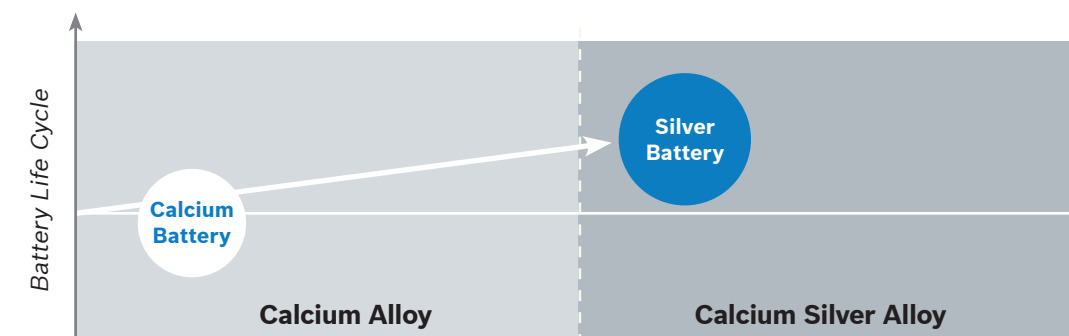
High Density and Special Crystal Structure in Active Material

Optimized power: Mega Power Silver batteries are designed with high density active material in special crystal structure. Provides better conductivity and high performance during cranking



Battery Life Cycle

Longer service life: Enhanced silver grid alloys reduce corrosion rate and provide greater tolerance at 40°C



SM Mega Power

Passenger Car



Calcium Technology for Reliable Starting

Bosch Mega Power meets the energy demands of a wide range of automotive applications ranging from compact to commercial vehicles.

- ▶ Long service life with minimum water loss
- ▶ Expanded grid technology delivers optimal power for add-on convenience features
- ▶ Enhanced safety with labyrinth lid design and flame arrestor
- ▶ Ensures reliable power supply to keep electrical devices working properly at all times
- ▶ Mid-range option which fulfills increased power demands in most vehicles today

Benefits at a Glance



Long Service Life

- Special tissue on positive plates prevents shedding of active materials, enhancing overall service life
- High Tin grid contents reduce corrosion rate while enhancing conductivity



Optimal Performance

- Central Lug ensures maximum current flow and high cranking power
- Dense active material enhances performance significantly
- Low internal resistance translates into high power output



High Resistance

- Superior thermoplastic container
- High environmental resistance combined with outstanding aesthetics
- Greater resistance to gas and oil
- Excellent safety and recyclability through innovative container material

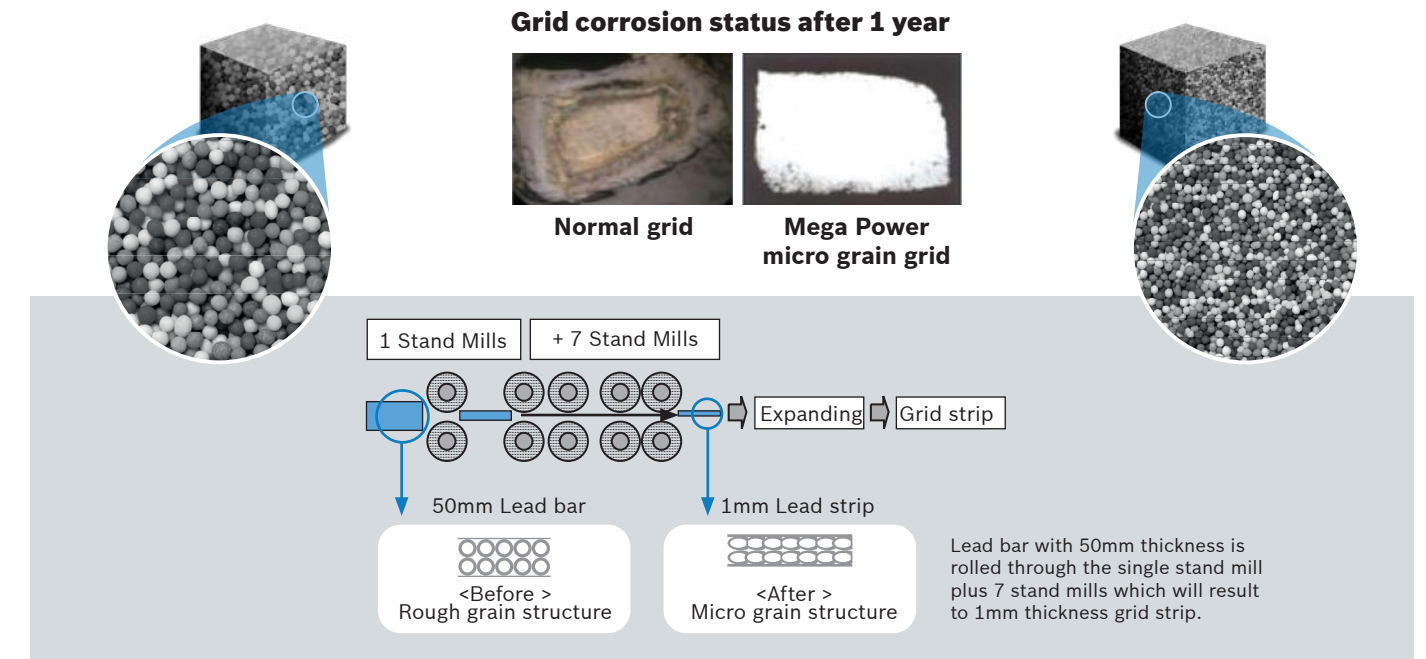


Assured Safety

- Completely sealed and maintenance free design
- Negative plates are entirely encapsulated with a tough polyethylene envelope separator which prevents short circuits due to overheating and overcharge
- Flame arrestor prevents explosion from spark

High Tin Content Expanded Grid

Longer life guaranteed: Mega Power Battery uses micro-grain expanded grids coated with high tin content

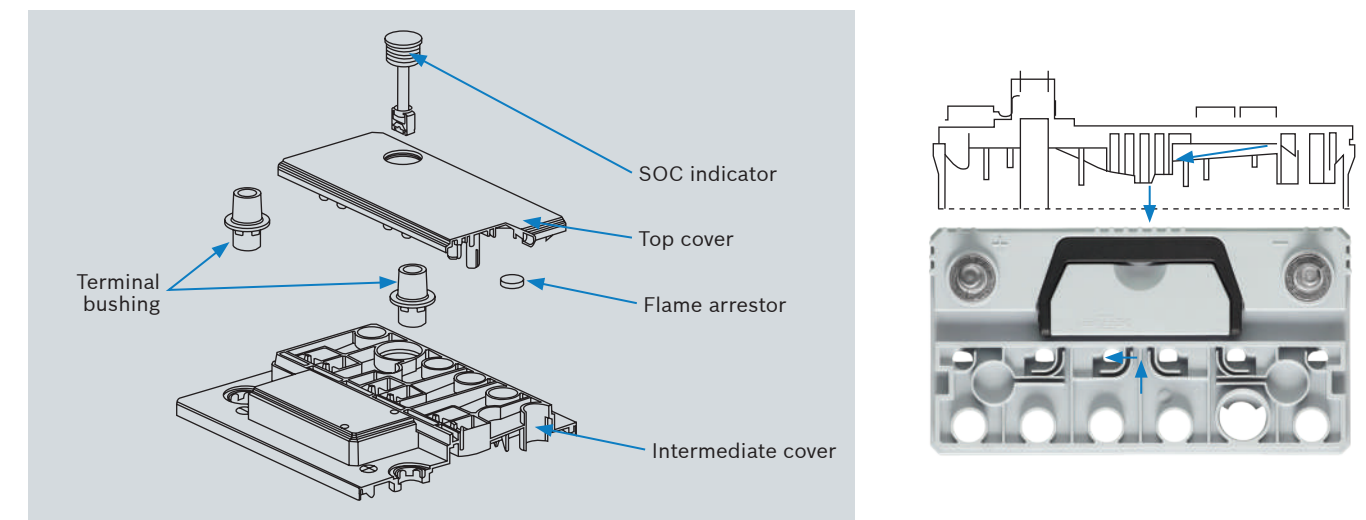


- ▶ High heat resistance
- ▶ Lead-calcium (high purity lead 99.99% grade)

- ▶ Micrograin structure of grid prevents grid corrosion and ensures longer life
- ▶ High tin content made for a more compact expanded grid

Dual Cover with Labyrinth Design

Anti-spill protection: The labyrinth design with its dual-cover layout minimizes water loss during battery operation as it collects the electrolyte vapor and returns the liquid back to the reservoir



- ▶ Complex gas-liquid separation system in intermediate cover
- ▶ Minimizes water loss due to liquid particle separation
- ▶ Integrated single-point venting in the labyrinth lid allows safe discharge of gases produced

AGM Auxiliary

Passenger Car



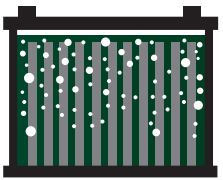
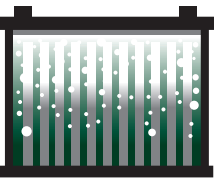
Reliable Backup Energy for your Car

For improved security, Bosch AGM Auxiliary Battery is a must have for vehicles with dual battery system. The auxiliary battery serves as a backup power in case of alternator failure or inadequate load capacity on the main battery.

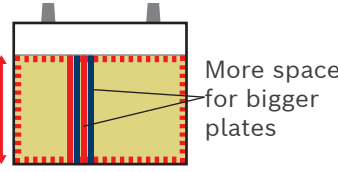
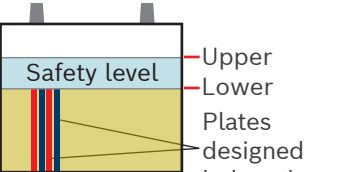
Bosch Auxiliary Battery is the power within the car system to provide reliable energy support and safety assurance for vehicle owners.

Benefits at a Glance

- **Identical to the OE battery**, it is specially designed with the exact fit
- **Absorbent Glass Mat**, also known as AGM, minimizes shedding of active materials due to its binding characteristics. This technology enables continuous and stable power supply
- **AGM technology** prevents acid stratification, which enhances performance of the battery

AGM battery	Enhanced Performance	Conventional flooded battery	Standard Performance
	Electrolyte concentration is evenly distributed from the top to the bottom cells. This promotes maximum charge reaction for greater power		Electrolyte concentration is light on top and heavy at the bottom. This limits plate activation and promotes corrosion
Acid is evenly distributed		Illustration of acid stratification	

- **Highly resilient** due to its deep cyclic ability up to three times as compared to conventional flooded battery
- **Improved durability** with larger sized plates (See illustration below)

AGM battery	Enhanced Performance	Conventional flooded battery	Standard Performance
	There is no acid safety level in AGM battery. Increased plate size promotes longer service life		Plates are designed with a height limit to prevent exposure. Overheating may cause electrolyte level to be reduced
More space for bigger plates		Safety level Upper Lower Plates designed below the lower mark	

Technical Specifications

Passenger Car

ST Hightec AGM

Bosch PN	Main Short Code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Total Height (mm)	Terminal Type	Cell Layout	BHD
0092S67030	S34B20R	B20	JIS	36	340	57	195	126	224	B	1	B0
0092S67031	S46B24R	B24	JIS	45	370	75	236	126	224	B	1	B0
0092S67050	LN1	LN1	EN/DIN	50	560	80	206	175	190	A	0	B3
0092S67051	LN2	LN2	EN/DIN	60	680	100	241	175	190	A	0	B3
0092S67052	LN3	LN3	EN/DIN	70	760	120	277	175	190	A	0	B3
0092S67053	LN4	LN4	EN/DIN	80	800	140	314	175	190	A	0	B3
0092S67054	LN5	LN5	EN/DIN	95	850	160	352	175	190	A	0	B3
0092S67116	LN2	LN2	EN/DIN	60	680	100	245	175	190	A	0	B3
0092S67117	LN3	LN3	EN/DIN	70	760	120	277	175	190	A	0	B3
0092S67118	LN4	LN4	EN/DIN	80	800	140	315	175	190	A	0	B3
0092S67119	LN5	LN5	EN/DIN	92	850	160	353	175	190	A	0	B3
0092S67120	LN6	LN6	EN/DIN	105	950	190	394	175	190	A	0	B3

AM Hightec Silver AMS

Bosch PN	Main Short Code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S57160	55B19L	B19	JIS	41	400	61	187	127	223	B	0	B0
0092S57162	55B19LS	B19	JIS	41	400	61	187	127	223	A	0	B0
0092S57161	55B19R	B19	JIS	41	400	61	187	127	223	B	1	B0
0092S57158	60B20L	B20	JIS	42	400	70	197	129	223	B	0	B0
0092S57159	60B20R	B20	JIS	42	400	70	197	129	223	B	1	B0
0092S57165	75B24L	B24	JIS	55	510	90	238	129	223	B	0	B0
0092S57163	75B24LS	B24	JIS	55	510	90	238	129	223	A	0	B0
0092S57166	75B24R	B24	JIS	55	510	90	238	129	223	B	1	B0
0092S57164	75B24RS	B24	JIS	55	510	90	238	129	223	A	1	B0
0092S57167	100D23L	D23	JIS	70	650	120	232	174	225	A	0	B7
0092S57168	100D23R	D23	JIS	70	650	120	232	174	225	A	1	B7
0092S57169	105D26L	D26	JIS	85	730	145	260	176	225	A	0	B1
0092S57170	105D26R	D26	JIS	85	730	145	260	176	225	A	1	B1
0092S57171	130D31L	D31	JIS	94	780	165	304	173	225	A	0	B7
0092S57172	130D31R	D31	JIS	94	780	165	304	173	225	A	1	B7
0092S57173	545.042	LB1	EN/DIN	45	420	75	208	175	175	A	0	B3
0092S57176	560.064	LB2	EN/DIN	60	640	100	245	175	175	A	0	B3
0092S57188	574.065	LB3	EN/DIN	74	650	120	277	175	175	A	0	B4
0092S57181	575.065	LB3	EN/DIN	75	650	120	277	175	175	A	0	B3
0092S57187	580.073	LB4	EN/DIN	80	730	135	315	175	175	A	0	B3
0092S57184	585.076	LB5	EN/DIN	85	760	155	353	175	175	A	0	B3
0092S57142	545.040	LN0	EN/DIN	45	420	65	175	175	190	A	0	B3
0092S57174	544.036	LN1	EN/DIN	44	360	75	208	175	190	A	0	B3
0092S57175	544.136	LN1	EN/DIN	44	360	75	208	175	190	A	1	B3
0092S57143	555.044	LN1	EN/DIN	55	550	95	208	175	190	A	0	B3
0092S57177	555.046	LN2	EN/DIN	55	460	90	245	175	190	A	0	B3
0092S57178	555.146	LN2	EN/DIN	55	460	90	245	175	190	A	1	B3

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

AM Hightec Silver AMS (continued)

Bosch PN	Main Short Code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S57179	562.051	LN2	EN/DIN	62	510	95	245	175	190	A	0	B3
0092S57180	562.151	LN2	EN/DIN	62	510	95	245	175	190	A	1	B3
0092S57182	578.070	LN3	EN/DIN	78	700	130	277	175	190	A	0	B3
0092S57183	578.170	LN3	EN/DIN	78	700	130	277	175	190	A	1	B3
0092S57185	600.085	LN5	EN/DIN	100	850	180	353	175	190	A	0	B3
0092S57186	610.092	LN6	EN/DIN	110	920	190	395	175	190	A	0	B3

ST Hightec EFB

Bosch PN	Main short code	Alternative Short code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S67082	M42	60B20L	B20	JIS	40	400	63	195	126	224	B	0	B0
0092S67085	M42	60B20L	B20	JIS	40	400	63	197	129	223	B	0	B0
0092S67121	N55L	70B24L	B24	JIS	55	510	90	238	129	223	B	0	B0
0092S67122	N55LS	70B24LS	B24	JIS	55	510	90	238	129	223	A	0	B0
0092S67123	N55R	70B24R	B24	JIS	55	510	90	238	129	223	B	1	B0
0092S67124	N55RS	70B24RS	B24	JIS	55	510	90	238	129	223	A	1	B0
0092S67106	Q85L	95D23L	D23	JIS	65	550	110	232	173	225	A	0	B1
0092S67080	Q85L	95D23L	D23	JIS	65	620	115	115	232	173	A	0	B7
0092S67083	Q85L	115D23L	D23	JIS	73	660	125	232	173	225	A	0	B7
0092S67107	Q85R	95D23R	D23	JIS	65	550	110	232	173	225	A	1	B1
0092S67081	Q85R	95D23R	D23	JIS	65	620	115	115	232	173	A	1	B7
0092S67108	S95L	105D26L	D26	JIS	70	680	130	260	173	225	A	0	B1
0092S67084	S95L	130D26L	D26	JIS	80	730	150	260	174	223	A	0	B0
0092S67109	S95R	105D26R	D26	JIS	70	680	130	260	173	225	A	1	B1
0092S67110	T110L	120D31L	D31	JIS	95	760	150	304	173	225	A	0	B7
0092S67111	T110R	120D31R	D31	JIS	95	760	150	304	173	225	A	1	B7
0092S67125	LB3		LB3	EN/DIN	65	650	110	278	175	175	A	0	B1
0092S67126	LB4		LB4	EN/DIN	75	730	135	315	175	175	A	0	B1
0092S67112	LN2		LN2	EN/DIN	60	560	100	245	175	190	A	0	B3
0092S67086	LN3	-	LN3	EN/DIN	75	720	130	277	175	190	A	0	B3
0092S67113	LN3		LN3	EN/DIN	70	680	120	277	175	190	A	0	B3
0092S67114	LN4		LN4	EN/DIN	80	730	145	315	175	190	A	0	B3
0092S67115	LN5		LN5	EN/DIN	95	850	175	353	175	190	A	0	B3

Mega Power Silver

Bosch PN	Main short code	Group Size	Norm	Capacity (20HR)	CCA Amp	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S57020	46B20L	B20	JIS	45	370	63	196	128	224	B	0	B0
0092S57021	46B20R	B20	JIS	45	370	63	196	128	224	B	1	B0
0092S57024	70B24LS	B24	JIS	58	510	92	237	128	224	A	0	B0
0092S57025	70B24RS	B24	JIS	58	510	92	237	128	224	A	1	B0
0986A02232	70B24L	B24	JIS	58	510	92	237	128	224	B	0	B0
0986A02233	70B24R	B24	JIS	58	510	92	237	128	224	B	1	B0
0986A02234	90D23L	D23	JIS	75	650	125	229	172	222	A	0	B7
0986A02235	90D23R	D23	JIS	75	650	125	229	172	222	A	1	B7
0092S57026	110D26L	D26	JIS	93	680	160	260	172	222	A	0	B7
0092S57027	110D26R	D26	JIS	93	680	160	260	172	222	A	1	B7
0092S57028	125D31L	D31	JIS	94	760	165	302	172	222	A	0	B7
0092S57029	125D31R	D31	JIS	94	760	165	302	172	222	A	1	B7
0986A02326	545.035	T4/LB1	EN/DIN	45	420	80	207	175	175	A	0	B3
0986A02327	544.035	H4/LN1	EN/DIN	44	360	80	207	175	190	A	0	B3
0986A02328	544.135	H4/LN1	EN/DIN	44	360	80	207	175	190	A	1	B3
0986A02329	560.060	T5/LB2	EN/DIN	60	600	100	242	175	175	A	0	B3
0986A02330	555.035	H5/LN2	EN/DIN	55	420	90	242	175	190	A	0	B3
0092S57100	555.142	H5/LN2	EN/DIN	55	420	90	242	175	190	A	1	B3
0986A02331	562.048	H5/LN2	EN/DIN	62	480	95	242	175	190	A	0	B3
0092S57101	562.148	H5/LN2	EN/DIN	62	480	95	242	175	190	A	1	B3
0986A02332	570.045	T6/LB3	EN/DIN	70	640	110	278	175	175	A	0	B4
0986A02333	575.068	T6/LB3	EN/DIN	75	680	120	278	175	175	A	0	B3
0986A02334	574.068	H6/LN3	EN/DIN	74	680	120	278	175	190	A	0	B3
0986A02335	574.168	H6/LN3	EN/DIN	74	680	120	278	175	190	A	1	B3
0986A02336	585.035	T8/LB5	EN/DIN	85	760	165	352	175	175	A	0	B3
0986A02337	600.035	H8/LN5	EN/DIN	100	760	180	352	175	190	A	0	B3
0986A02340	610.035	H9/LN6	EN/DIN	110	850	190	394	175	190	A	0	B3
0986A02341	580.035	T7/LB4	EN/DIN	80	720	135	315	175	175	A	0	B3

SM Mega Power

Bosch PN	Main short code	Alternative Short code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S37077	40B19L-BHD	-	B19	JIS	35	330	57	187	127	226	B	0	B1
0092S37078	40B19R-BHD	-	B19	JIS	35	330	57	187	127	226	B	1	B1
0986A00404	40B19L	NS40ZL	B19	JIS	35	330	57	187	127	226	B	0	B0
0986A00405	40B19R	NS40ZR	B19	JIS	35	330	57	187	127	226	B	1	B0
0092S47020	42B20L	-	B20	JIS	38	340	52	197	129	223	B	0	B0
0092S47021	42B20R	-	B20	JIS	38	340	52	197	129	223	B	1	B0
0092S47022	42B20LS	-	B20	JIS	38	340	52	197	129	223	A	0	B0
0092S47023	42B20RS	-	B20	JIS	38	340	52	197	129	223	A	1	B0
0986A00362	46B24R	NS60R	B24	JIS	42	400	0	238	129	225	B	1	B0
0986A00363	46B24L	NS60L	B24	JIS	42	400	0	238	129	225	B	0	B0

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

SM Mega Power (continued)													
Bosch PN	Main short code	Alternative Short code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0986A00364	46B24RS	NS60RS	B24	JIS	42	400	0	238	129	225	A	1	B0
0986A00365	46B24LS	NS60LS	B24	JIS	42	400	0	238	129	225	A	0	B0
0092S47502	46B24LS	-	B24	JIS	45	350	75	238	128	224	A	0	B0
0092S47503	46B24RS	-	B24	JIS	45	350	75	238	128	224	A	1	B0
0986A00406	55B24L	NX100-S6L	B24	JIS	45	430	76	238	129	225	B	0	B0
0986A00407	55B24R	NX100-S6R	B24	JIS	45	430	76	238	129	225	B	1	B0
0986A00408	55B24LS	NX100-S6LS	B24	JIS	45	430	76	238	129	225	A	0	B0
0986A00409	55B24RS	NX100-S6RS	B24	JIS	45	430	76	238	129	225	A	1	B0
0092S47024	65B24L	-	B24	JIS	52	480	82	238	129	223	B	0	B0
0092S47025	65B24R	-	B24	JIS	52	480	82	238	129	223	B	1	B0
0092S47026	65B24LS	-	B24	JIS	52	480	82	238	129	223	A	0	B0
0092S47027	65B24RS	-	B24	JIS	52	480	82	238	129	223	A	1	B0
0092S37087	55D23L-BHD	-	D23	JIS	60	500	100	232	173	225	A	0	B1
0092S37088	55D23R-BHD	-	D23	JIS	60	500	100	232	173	225	A	1	B1
0092S47504	55D23L-BHD	-	D23	JIS	60	500	112	229	172	222	A	0	B7
0092S47505	55D23R-BHD	-	D23	JIS	60	500	112	229	172	222	A	1	B7
0986A00368	55D23R	-	D23	JIS	60	500	100	232	173	225	A	1	B0
0986A00369	55D23L	-	D23	JIS	60	500	100	232	173	225	A	0	B0
0092S37089	80D23L-BHD	-	D23	JIS	70	580	115	232	173	225	A	0	B1
0092S37090	80D23R-BHD	-	D23	JIS	70	580	115	232	173	225	A	1	B1
0092S47028	80D23L-BHD	-	D23	JIS	70	560	120	229	172	222	A	0	B7
0092S47029	80D23R-BHD	-	D23	JIS	70	560	120	229	172	222	A	1	B7
0986A00410	80D23L	-	D23	JIS	70	580	115	232	173	225	A	0	B0
0986A00411	80D23R	-	D23	JIS	70	580	115	232	173	225	A	1	B0
0986A00372	48D26R	N50R	D26	JIS	50	420	80	260	173	222	A	1	B0
0986A00373	48D26L	N50L	D26	JIS	50	420	80	260	173	222	A	0	B0
0092S37091	55D26L-BHD	N50ZL-BHD	D26	JIS	60	500	100	260	173	222	A	0	B1
0092S37092	55D26R-BHD	N50ZR-BHD	D26	JIS	60	500	100	260	173	222	A	1	B1
0092S47506	55D26L-BHD	-	D26	JIS	60	500	95	260	172	222	A	0	B7
0092S47507	55D26R-BHD	-	D26	JIS	60	500	95	260	172	222	A	1	B7
0986A00414	55D26R	N50ZR	D26	JIS	60	500	100	260	173	222	A	1	B0
0986A00415	55D26L	N50ZL	D26	JIS	60	500	100	260	173	222	A	0	B0
0092S37093	80D26L-BHD	NX110-5L-BHD	D26	JIS	70	600	115	260	173	222	A	0	B1
0092S37094	80D26R-BHD	NX110-5R-BHD	D26	JIS	70	600	115	260	173	222	A	1	B1
0986A00376	80D26R	NX110-5R	D26	JIS	70	600	115	260	173	222	A	1	B0
0986A00377	80D26L	NX110-5L	D26	JIS	70	600	115	260	173	222	A	0	B0
0092S47030	90D26L-BHD	-	D26	JIS	75	620	140	260	172	222	A	0	B7
0092S47031	90D26R-BHD	-	D26	JIS	75	620	140	260	172	222	A	1	B7

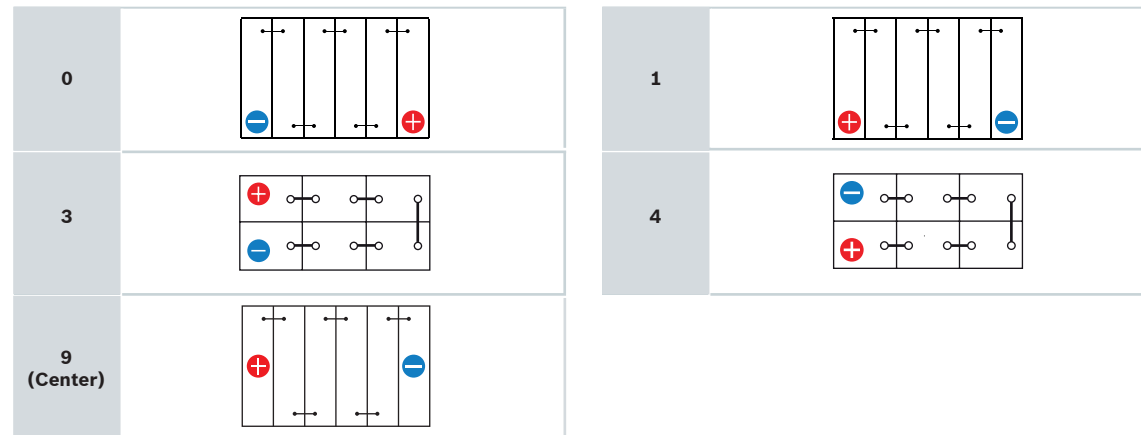
SM Mega Power (continued)													
Bosch PN	Main short code	Alternative Short code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0986A00378	65D31R	N70R	D31	JIS	65	560	108	303	173	225	A	1	B0
0986A00379	65D31L	N70L	D31	JIS	65	560	108	303	173	225	A	0	B0
0092S47011	65D31R-M	N70R-M	D31	JIS	65	560	110	304	172	225	A	1	B0
0092S47014	65D31L-M	N70L-M	D31	JIS	65	560	110	304	172	225	A	0	B0
0986A00416	75D31R	N70ZR	D31	JIS	75	640	130	303	173	225	A	1	B0
0986A00417	75D31L	N70ZL	D31	JIS	75	640	130	303	173	225	A	0	B0
0092S47012	75D31R-M	N70ZR-M	D31	JIS	75	650	130	304	172	225	A	1	B0
0092S47013	75D31L-M	N70ZL-M	D31	JIS	75	650	130	304	172	225	A	0	B0
0092S47508	95D31L-BHD	-	D31	JIS	80	620	140	305	172	222	A	0	B7
0092S47509	95D31R-BHD	-	D31	JIS	80	620	140	305	172	222	A	1	B7
0092S37097	95D31L-BHD	NX120-7L-BHD	D31	JIS	85	730	145	303	173	225	A	0	B1
0092S37098	95D31R-BHD	NX120-7R-BHD	D31	JIS	85	730	145	303	173	225	A	1	B1
0986A00382	95D31R	NX120-7R	D31	JIS	85	730	145	303	173	225	A	1	B0
0986A00383	95D31L	NX120-7L	D31	JIS	85	730	145	303	173	225	A	0	B0
0092S47032	105D31L-BHD	-	D31	JIS	90	710	160	304	173	225	A	0	B7
0092S47033	105D31R-BHD	-	D31	JIS	90	710	160	304	173	225	A	1	B7
0986A00216	54519	-	LB2	JIS	45	420	78	245	175	175	A	0	B4
0986A00442	55457	-	LB2	EN/DIN	54	500	94	245	175	175	A	0	B3
0986A00403	55414	-	LB3	EN/DIN	54	500	94	277	175	175	A	0	B3/B4
0986A00225	56318	-	LB3	EN/DIN	63	580	110	277	175	175	A	0	B3/B4
0092S47041	56637	-	LB3	EN/DIN	66	510	110	277	175	175	A	0	B4
0986A00413	58014	-	LB4	EN/DIN	80	730	135	315	175	175	A	0	B3
0092S47510	55559	-	LN2	EN/DIN	55	420	90	242	175	190	A	0	B3
0092S47511	55565	-	LN2	EN/DIN	55	420	90	242	175	190	A	1	B3
0986A00223	55559	-	LN2	EN/DIN	55	460	94	245	175	190	A	0	B3
0986A00224	55565	-	LN2	EN/DIN	55	460	94	245	175	190	A	1	B3
0986A00242	56219	-	LN2	EN/DIN	62	510	100	245	175	190	A	0	B3
0092S47512	56638	-	LN3	EN/DIN	66	500	110	278	175	190	A	0	B3
0986A00228	56638	-	LN3	EN/DIN	66	560	110	278	175	190	A	0	B3
0986A00234	57220	-	LN3	EN/DIN	72	610	120	278	175	190	A	0	B3
0986A00243	58513	-	LN5	EN/DIN	80	680	140	303	173	225	A	0	B0
0986A00244	58514	-	LN5	EN/DIN	80	680	140	303	173	225	A	1	B0
0986A00236	58827	-	LN5	EN/DIN	88	760	150	353	175	190	A	0	B3
0092S37073	60044	-	LN5	EN/DIN	100	850	180	353	175	190	A	0	B3
0986A02505	65-660	-	65	BCI	70	660	120	292	189	191	A	1	21
0092S47045	65-7MF	-	65	BCI	85	850	160	302	189	191	A	1	B8
0986A02510	78-760	-	78	BCI	69	750	115	260	179	185	SIDE	1	17
0986A02512	78DT-760	-	78	BCI	69	750	115	260	179	205	DUAL	1	17

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

AGM Auxiliary

Bosch PN	Main Short Code	Voltage (V)	Capacity (10HR)	CCA (A) @ -18°C (SAE/BCI)	Length (mm)	Width (mm)	Height (mm)	Cell Layout
0092S67061	BLA-1	12	1	-	97	48.5	58	4
0092S67067	BLA-8	12	8	125	150	87	105	1
0092S67068	BLA-10	12	10	190	150	87	130	1
0092S67060	BLA-12	12	12	170	150	87	145	1
0092S67069	BLA12-2	12	12	200	150	87	145	1

Cell Layout

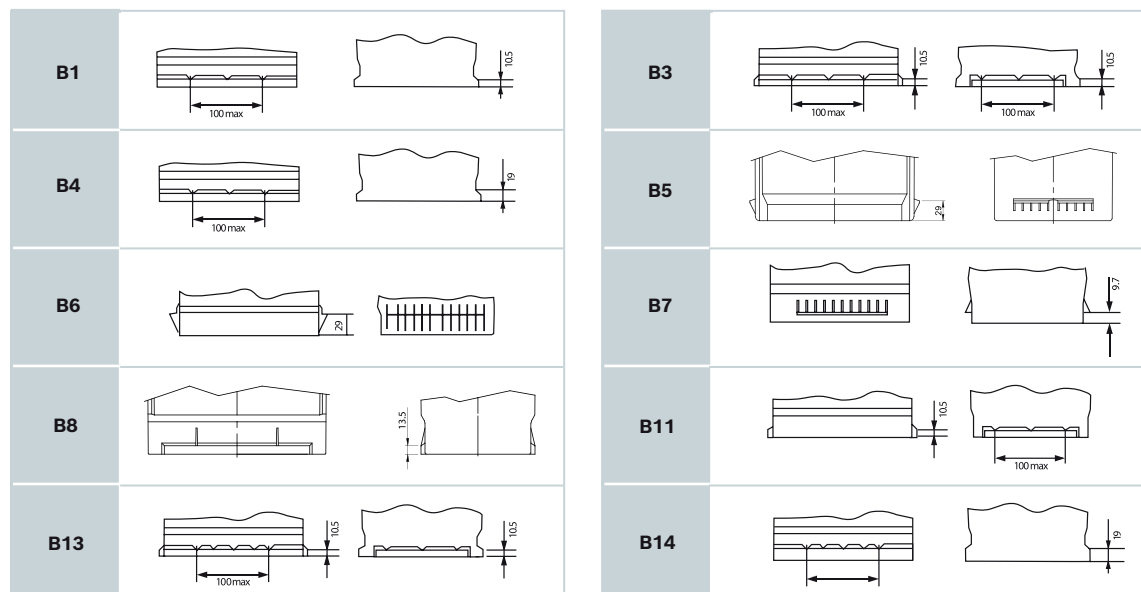


Terminal Type

Terminal	A (Standard)	B (Small)	Top Post	Dual Fit	4F	Stud	Side
Positive							
Negative							

* DT: Dual Terminal (Standard + Side)

Bottom Hold - Down Configuration (BHD)



* For B0 there is no Hold-down

The Ultimate Powerful Journey

For Bosch, every battery is a technological milestone. In 1922, Bosch made its mark in battery production. From manufacturing batteries for passenger vehicles to off-highway applications, Bosch continuously revolutionizes its line of products for the automotive industry across the globe.

By creating new solutions such as Bosch Hightec AGM Battery for Start-Stop Technology, the company addresses the needs of the ever-changing market. Whether it's about powering your motorcycle or premium car, you can always expect technology breakthroughs from Bosch.



M6 & M8

Motorcycle



	M6 AGM: Bottle Separated	M6 AGM: Factory Activated	M8 Gel Battery
Topping-up	Only first time	No	No
Filler Cap	Fixed	Fixed	Fixed
Spill Proof	Yes, severe angles	Yes, severe angles	Yes
Self-discharge performance after filling electrolyte	★★	★★★	★★★★★
Storage characteristics	★★★	★★★	★★★★★
Cranking performance	★★	★★★	★★★★
Safety performance	★★★	★★★	★★★★★

★★ Good ★★★ Very Good ★★★★★ Excellent



Bosch M6 Battery

The Bosch M6 battery (AGM) is ideal for numerous electrical consumers and easily copes with extreme condition such as long off-road journeys. Thanks to the pioneering AGM (Absorbent Glass Mat) technology with adequate power reserves ideal for off-road and touring motorcycles, scooters, dirt bikes, ATV quads, snowmobiles and jet skis.

Absorbent Glass Mat (AGM) technology provides long service life and high starting power.

Special micro fiberglass mats completely absorb the electrolyte making it 100% spill-proof with enhanced safety. High contact pressure design minimizes the loss of active materials and promotes higher power output in tough conditions.

Bosch M8 GEL Battery

The M8 Mega Power Ride Ultra Gel is a VRLA battery with the electrolyte in a solidified gel form. The acid particles are encased in a structural silica gel form which reduces the occurrence of evaporation, spillage, and also increases the resistance of the electrolyte to shock and vibration.

This in turn gives greater heat stability and endurance properties to the battery as compared to other standard maintenance-free batteries.

Benefits at a Glance



Factory Activated*

- Premium maintenance-free design**
- Ready to install immediately
 - Factory charged with acid included for maximum performance
- *Not applicable for M6-BS type*



Assured Safety

- Safety valves and AGM separator***
- Relieve excess pressure
 - Spill-proof design, able to operate at severe angles
 - Superior vibration resistance
- *AGM is only applicable for M6*



High Power

- Through-partition intercell welds**
- Provide shorter current path with less resistance for higher cranking power



High Resistance

- Superior Thermoplastic Container**
- High environmental resistance combined with outstanding aesthetics
 - Greater resistance to gas and oil
 - Excellent safety and recyclability through innovative container material



Optimal Performance

- Unique grid design**
- Designed for maximum conductivity
 - Higher cranking capability
 - Enhanced corrosion resistance



Long Service Life

- Enhanced active materials**
- Optimized crystal size for higher endurance and discharge output
 - Anti-sulphate additives reduces sulphate crystal build up that enhances battery life with optimum performance

M6 & M8

Motorcycle



Technical Specifications

M6 AGM: Bottle Separated

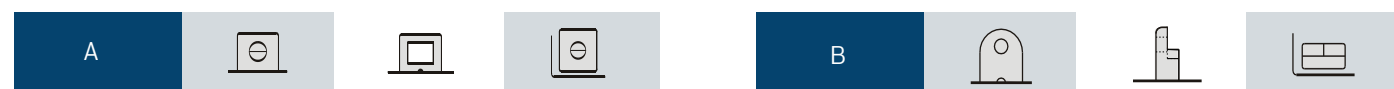
Bosch PN	Main Short Code	Voltage (V)	Capacity (10HR)	CCA (Amp)	Length (mm)	Width (mm)	Height (mm)	Cell Layout	Terminal Type
0092M67130	BT4L-BS	12	3	60	113	70	85	0	A
0092M67131	RBTX5L-BS	12	4	90	113	70	105	0	A
0092M68020	BTX5L-BS	12	4	90	113	70	105	0	A
0092M67006	BTZ7S-BS	12	6	100	113	70	105	0	A
0092M68030	BTX7L-BS	12	6	120	113	70	130	0	A
0092M67132	BTX7A-BS	12	6	90	150	87	93	1	A
0092M67007	12N6.5L-BS	12	7	85	139	66	100	0	B
0092M67133	BT7B-BS	12	7	85	150	66	93	1	A
0092M67134	RBTX9-BS	12	8	120	150	87	105	1	A
0092M68060	BT12B-BS	12	10	175	150	70	130	1	A
0092M68050	BTX12-BS	12	10	180	150	87	130	1	A
0092M68070	RB12A-BS	12	10	175	150	88	105	1	A
0092M68080	BTX14-BS	12	12	200	150	87	145	1	A
0092M67142	BTX16-BS	12	14	230	150	87	161	1	A
0092M67135	RBTZ10S-BS	12	18	270	175	87	155	0	A
0092M67140	BTX20L-BS	12	18	270	175	87	155	0	A
0092M67141	BTX20-BS	12	18	270	175	87	155	1	A

M6 AGM: Factory Activated

Bosch PN	Main Short Code	Voltage (V)	Capacity (10HR)	CCA (Amp)	Length (mm)	Width (mm)	Height (mm)	Cell Layout	Terminal Type
0092M67050	RBT4B-5-N	12	2	40	38	113	85	0	J
0092M67040	RBTR4A-N	12	2	45	48	113	85	0	A
0092M67041	RBTZ5S	12	3.5	50	113	70	85	0	A
0092M67042	RBTX5L-N	12	4	70	113	70	105	0	A
0092M67053	BB4LB	12	4	60	120	70	92	0	A
0092M67090	RBTZ-6V	12	5	90	113	70	105	0	A
0092M67054	BB5LB	12	5	70	119	59	130	0	B
0092M67091	RBT6A	12	5	75	119	59	130	0	B
0092M67000	RBTZ-7S	12	6	130	113	70	105	0	A
0092M67045	RBTX7L-N	12	6	85	113	70	130	0	A
0092M67044	RBTX7A-N	12	6	90	150	87	93	1	A
0092M67043	RBT7B-4-N	12	7	85	150	66	93	1	A
0092M67055	BB7LB	12	7	100	146	60	130	0	B
0092M67051	RBT9B-4-N	12	8	115	70	150	105	1	A
0092M67058	BB7-A	12	8	120	135	75	133	1	A
0092M67046	RBTX9-N	12	8	120	150	87	105	1	A
0092M67001	RBTZ10S-N	12	9	190	150	87	93	1	A
0092M67057	BN9-4B1	12	9	120	135	75	139	1	B
0092M67052	RBT12B-4-N	12	10	175	70	150	130	1	A
0092M67056	BT12B	12	10	165	150	69	130	1	A
0092M67047	RBTX12-N	12	10	180	150	87	130	1	A
0092M67002	RBTZ12S-N	12	11	210	150	88	110	1	A
0092M67003	RBTZ14S-N	12	11	230	150	88	110	1	A
0092M67048	RBTX14-N	12	12	200	150	87	145	1	A
0092M67049	RBTX20L-N	12	18	310	175	87	155	0	A



2W Terminal Configuration Reference



M8 GEL: Factory Activated

Bosch PN	Main Short Code	Voltage (V)	Capacity (10HR)	CCA (Amp)	Length (mm)	Width (mm)	Height (mm)	Cell Layout	Terminal Type
0092M87000	RBTZ5S	12	3.5	50	113	70	85	0	A

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

T Series

Commercial Vehicle



Energy Giants on the road

Mass electrical consumptions, long idle times and extreme operating conditions push commercial vehicle batteries to their limit. The new Bosch T series batteries ensure reliable power supply at all times, using advanced technologies to meet various requirements. Maintenance-accessible options are available to maximize each battery's service life - saving fleet operators both time and money.

- ▶ T5 ensures superb cranking capability and endurance for demanding environments
- ▶ T4 reliably supplies all running applications with sufficient energy requirements



	SM T5 Mega Power Duty	SM T4 Mega Power
Technology	MF Ca-Ca	MF Ca-Ca
Positive Grid	PbCa	PbCa
Maintenance	Feasible	Maintenance Free
Performance	★★★	★★
Temperature Resistance	★★★	★★
Vibration Resistance	★★★	★★
Service life at 25% DoD	★★★	★★

★★ Good ★★★ Very Good

Technical Specifications

SM T5 Mega Power Duty

Bosch PN	Main short code	Alternative Short Code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092T47010	4D-1125	-	4D	BCI	145	1125	305	518	216	248	A	4	B0
0092T47011	4D-1400	-	4D	BCI	200	1400	425	518	216	248	A	4	B0

SM T4 Mega Power

Bosch PN	Main short code	Alternative Short Code	Group Size	Norm	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0986A00386	95E41R	N100R	E41	JIS	100	730	180	410	175	235	A	1	B0
0092T47011	4D-1400	-	4D	BCI	200	1400	425	518	216	248	A	4	B0
0092S47061	130E41R	N100R	E41	JIS	110	800	190	410	175	235	A	1	B0
0092S47093	95E41L	N100L	E41	JIS	110	800	190	406	172	231	A	0	B0
0986A00388	115F51	N120	F51	JIS	120	820	220	505	183	240	A	4	B0
0092T47015	115F51-M	N120-M	F51	JIS	120	850	220	505	183	236	A	4	B0
0986A00389	145G51	N150	G51	JIS	150	950	300	506	220	233	A	4	B0
0092T47016	145G51-M	N150-M	G51	JIS	150	950	300	508	222	236	A	4	B0
0092S47037	190H52R	N200R	H52	JIS	200	1130	430	523	279	248	A	3	B0
0986A00390	190H52	N200	H52	JIS	200	1130	430	523	279	248	A	4	B0
0986A00391	190H52-M	N200 M	H52	JIS	200	1130	430	523	279	248	A	4	B0
0092T47017	190H52-M	N200-M	H52	JIS	200	1200	430	522	279	244	A	4	B0
0092S37070	68032	DIN B	DIN B	EN/DIN	180	1100	360	508	222	220	A	3	B0
0092T47030	68032-S	DIN B	DIN B	EN/DIN	180	1100	360	508	222	220	A	3	B0
0092T37028	68033	DIN B	DIN B	EN/DIN	180	1100	360	508	222	220	A	4	B0
0092S37072	73011	DIN C	DIN C	EN/DIN	230	1250	430	518	273	241	A	4	B0
0092S47044	31-901	-	31	BCI	100	900	160	330	173	238	A	9	B0
0986A02503	31-930	-	31	BCI	105	930	190	330	173	240	A	9	B0

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

Motive Power

Off Highway



Bosch Motive Power batteries aim for high cycle stability, which guarantee a reliable power supply even on the most challenging course. Specially designed for a varied range of motion applications that require frequent charging and discharging cycles, Bosch Motive Power batteries swing in the power you can rely on.

Bosch Motive Power batteries are suitable for

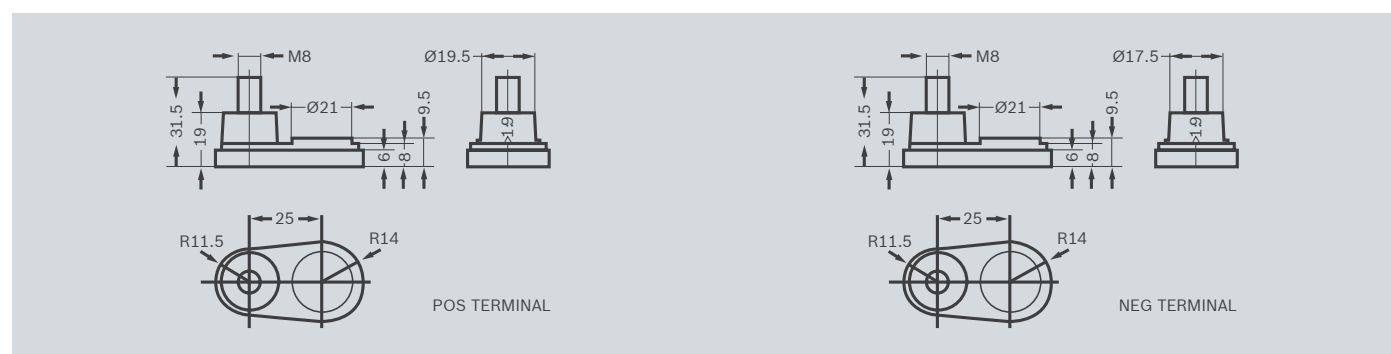
- ▶ Floor machines
- ▶ Electric cart and buggies
- ▶ Electric recreational and utility vehicles

Technical Specifications

Motive Power

Bosch PN	Technology	Main Short Code	Voltage (V)	Capacity (20HR)	Discharge @25A	Discharge @75A	Length (mm)	Width (mm)	Height (mm)	Terminal Type
0092L57072	Flooded	BG106	6	225	445	115	260	180	290	WNT, LPT
0092L57073	Flooded	BG876	8	170	295	117	260	180	290	WNT, LPT
0092L57074	Flooded	BG1275	12	150	280	102	328	180	290	WNT, LPT
0092L57075	AGM	BGC12-140	12	144	321	88	406	171	243	T11
0092L57076	AGM	BGC6-220	12	220	475	132	260	180	253	T11

Terminal Dimension



Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

Marine

Off Highway



Bosch Marine batteries are carefully engineered to provide the optimum balance between starting and deep cycling duties. They are also thoroughly insulated to protect against the high frequency vibrations created by rough sea conditions.

- ▶ HCM is designed for dual purpose to handle both starting and light cycling
- ▶ DCM is designed for heavy duty cycling to have enough cranking amperage for starting and sufficient reserve power to keep the electrical accessories running. 25% longer life for 50% discharge as compared to HCM
- ▶ Watercraft batteries are designed to meet the needs of smaller engines on the sea. It can withstand rugged conditions on the sea with more flexibility on position during the ride

Technical Specifications

Watercraft

Bosch PN	Main Short Code	Voltage (V)	Capacity (10HR)	CC(Amp)	Norm	Length (mm)	Width (mm)	Height (mm)	Cell Layout	Terminal Type
0092M67008	BWC-T20L	12	18	310	JIS	175	87	155	0	A
0092M67004	BWC-T16L	12	19	260	JIS	175	100	175	0	A
0092M67009	BWC-T30L	12	30	380	JIS	164	123	176	0	A

High Cycle Marine (HCM)

Bosch PN	Main Short Code	Group Size	Norm	Voltage (V)	Capacity (20HR)	CCA (A) @ -18°C (SAE/BCI)	MCA (A)	RC (Min)	Length (mm)	Width (mm)	Height (mm)	Terminal Type	Cell Layout	BHD
0092S47057	HCM24-600	24	BCI	12	65	600	750	115	259.7	172	221	MRN	1	B7
0092S47054	HCM24-680	24	BCI	12	80	680	780	160	259.7	172	221	MRN	1	B7
0092S47058	HCM27-750	27	BCI	12	90	750	940	145	305	172	222	MRN	1	B7
0092S47060	HCM27-750L	27	BCI	12	90	750	940	145	305	172	222	MRN	0	B7
0092S47055	HCM27-780	27	BCI	12	100	780	820	185	306	173	225	MRN	1	B7
0092S47059	HCM31-830	31	BCI	12	100	830	1040	180	330.2	172	230	MRN	Center	B0
0092S47056	HCM31-900	31	BCI	12	100	900	1040	180	330.2	172	230	MRN	Center	B0

Deep Cycle Marine (DCM)

0092S47074	DC24	BCI	24	12	70	500	625	120	274.6	172	229.1	MRN	R	B7
0092S47075	DC27	BCI	27	12	80	570	710	145	320.4	172	229.1	MRN	R	B7
0092S47076	DC31	BCI	31	12	100	625	780	180	330.2	172	234.3	MRN	CENTER	B0

Not all part numbers may be available for your market, please check with your local sales representative for parts availability.

Reserve Power

Off Highway



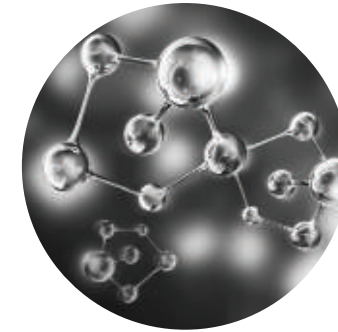
A Reserve Power Battery is developed for cycling purpose as a power bank, such as UPS, security system, solar backup, golf trolleys, telecoms and more. To reserve stable power for a long period of time without recharging, the battery is required to have a deep cycle life performance and a high discharge capacity.

Reserve Power Battery Program (VRLA* type)

- ▶ GEL Deep Cycle
- ▶ AGM Deep Cycle Plus
- ▶ AGM Deep Cycle

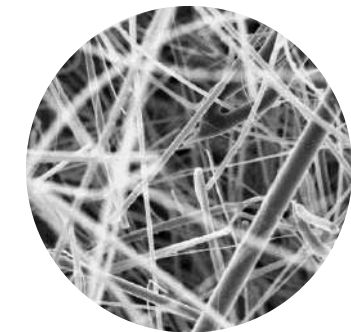
* VRLA (Valve-Regulated Lead Acid)

GEL and AGM technology at a glance	GEL G	AGM A
Maintenance-free design	Yes	Yes
Internal oxygen recombination	Yes	Yes
Spill proof	Yes	Yes
Low self discharge rate	Yes	Yes
Recharging efficiency	Good	Good
Stability of capacity over cycle life	Very Good	Good
Deep Cycle life and resiliency to deep discharge damage	Very Good	Good
Best combination of starting and cycling purpose	Good	Very Good
High current discharge performance	Good	Very Good



What is a GEL Battery?

GEL is produced by homogeneous dispersion of pyrogenic silica in diluted sulfuric acid. Pyrogenic silica is a kind of powder of very well dispersed SiO₂, which can absorb more than 10 times of its weight liquids, producing gel. The battery is locked tightly and has an optimized amount of spill proof electrolyte. It has excellent performance in protecting its components and superior deep discharge property.



What is a AGM Battery?

AGM (Absorbent Glass Mat) battery is one of the leading battery technologies which has a special separator with stored electrolyte that makes it spill proof. It also has a high internal plate compression that can achieve twice the cycle life of a typical flooded battery with the correct application.

GEL Battery



Pure GEL technology

- Long service life for deep cycle & standby applications
- Anti-thermal runaway effect
- Prevents acid stratification



High performance and reliability

- Excellent to recover from deep discharge status
- High charging acceptance
- Suitable for outdoor installation

GEL & AGM Common Advantages



Super excellence in deep cycle service life

- Prevents acid stratification
- High vibration resistance



Spill proof design

- Operates at severe angles
- Air transportable



Long storage life

- Low self discharge rate

AGM Battery



AGM technology

- Extended service life time via efficient gas recombination reaction
- Ideal technology for starting and cycling combination performance



Higher power density

- Excellent to deliver high power
- Low internal resistance

Benefits at a Glance

ABS Container Case

- High vibration resistance
- High mechanical strength

High Quality AGM Separator

- Prevents micro short circuit
- Enhances longer life time

High Quality PVC-SiO₂ Separator

- Enhances longer life time

Bigger Size Grid with Special Alloy Composition

- Maximizes capacity
- Improves deep cycle performance
- Minimizes grid corrosion

Copper Terminal with Silver Coating (or Brass terminal with Tin coating)

- High electrical conductivity
- Anti-corrosive

Epoxy Resin Sealant

- High chemistry stability
- High adhesion capability

Safety Vent Valves

- Minimizes water loss
- Prevents contamination from external environment

Wide Cast on Strap

- Delivers maximum current
- Higher vibration resistance

Technical Specifications

OHW Reserve Power

Bosch PN	Main Short Code	Battery Type	Voltage (V)	Capacity (10HR)	Capacity (20HR)	Length (mm)	Width (mm)	Height (mm)	Terminal Type
0092L57141	BA6-4.5	AGM Deep Cycle	6	4.2	5	70	47	106	T1
0092L57164	BA6-7	AGM Deep Cycle	6	6.5	7	151	34	100	T1
0092L57142	BA6-12	AGM Deep Cycle	6	11.2	12	151	51	100	T1
0092L57143	BA12-2.9	AGM Deep Cycle	12	2.9	3	79	56	105	T1
0092L57144	BA12-5	AGM Deep Cycle	12	4.7	5	151	53	99	T1
0092L57145	BA12-5.8T1	AGM Deep Cycle	12	5.4	6	90	70	107	T1
0092L57162	BA12-5.8T2	AGM Deep Cycle	12	5.4	6	90	70	107	T2
0092L57146	BA12-7T1	AGM Deep Cycle	12	6.5	7	151	65	99	T1
0092L57147	BA12-7T2	AGM Deep Cycle	12	6.5	7	151	65	99	T2
0092L57170	BA12-7T1	AGM Deep Cycle	12	6.5	7	151	65	99	T1
0092L57163	BA12-9	AGM Deep Cycle	12	8	9	151	65	99	T2
0092L57165	BA12-12	AGM Deep Cycle	12	11	12	151	98	101	T2
0092L57166	BA12-14	AGM Deep Cycle	12	13	14	151	98	101	T2
0092L57167	BA12-40	AGM Deep Cycle	12	39	40	255	97	203	T7
0092L57168	BA12-65	AGM Deep Cycle	12	63	65	348	167	178	T6
0092L57169	BA12-100	AGM Deep Cycle	12	100	104	330	173	220	T11
0092L57173	BAF12-105	AGM Deep Cycle	12	100	105	394	110	286	T2
0092L57174	BAF12-155	AGM Deep Cycle	12	150	158	551	110	288	T2
0092L57151	BAC12-20	AGM Deep Cycle Plus	12	20	21	182	77	167	T12
0092L57152	BAC12-26	AGM Deep Cycle Plus	12	26	28	166	175	125	T3
0092L57172	BAC12-28	AGM Deep Cycle Plus	12	26	28	164	125	175	T3-A
0092L57153	BAC12-33	AGM Deep Cycle Plus	12	33	35	195	130	182	T5
0092L57159	BAC12-38FR	AGM Deep Cycle Plus	12	38	41	197	165	170	T6
0092L57154	BAC12-55	AGM Deep Cycle Plus	12	55	59	228	137	216	T6
0092L57155	BAC12-75	AGM Deep Cycle Plus	12	75	80	259	168	214	T6
0092L57160	BAC12-75FR	AGM Deep Cycle Plus	12	75	80	259	168	214	T6
0092L57156	BAC12-100R	AGM Deep Cycle Plus	12	93	100	305	168	213	T6
0092L57161	BAC12-120RFR	AGM Deep Cycle Plus	12	112	120	330	173	220	T11
0092L57157	BAC12-150	AGM Deep Cycle Plus	12	150	161	483	170	239	T11
0092L57158	BAC12-200	AGM Deep Cycle Plus	12	200	214	522	240	224	T11
0092L57171	BAC12-250	AGM Deep Cycle Plus	12	250	262	522	268	226	T11
0092L67000	BG12-38	GEL Deep Cycle	12	35	38	197	165	170	T6
0092L67001	BG12-70	GEL Deep Cycle	12	65	70	259	168	214	T6
0092L57140	BG12-100	GEL Deep Cycle	12	90	96	330	173	218	T11
0092L67002	BG12-100	GEL Deep Cycle	12	90	96	330	173	218	T11
0092L67003	BG12-135	GEL Deep Cycle	12	126	135	485	170	240	T11
0092L67004	BG12-200	GEL Deep Cycle	12	186	200	522	240	224	T11
0092L67005	BG12-240	GEL Deep Cycle	12	219	240	522	268	226	T11

Terminal Specification

Terminal Type	Coating	Insert Size	Torque
T1	Copper coated with Silver	FASTON	-
T2	Copper coated with Silver	FASTON	-
T3	Brass coated with Tin	-	3.9-5.4 N.m
T5	Lead	-	3.9-5.4 N.m
T6	Brass coated with Tin	Threaded Insert 6mm STUD	3.9-5.4 N.m
T11	Brass coated with Tin	Threaded Insert 8mm STUD	11 ~14.7 N.m
T12	Brass coated with Tin	Threaded Insert 5mm STUD	2.0 ~3.0 N.m

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What drives you, drives us

Bosch technologies are used in most vehicles worldwide.
People and assuring their mobility is what we are focusing on.

Therefore, we have dedicated over 130 years of pioneering spirit
and expertise in research and manufacturing to achieving this.

We provide the aftermarket and workshops worldwide with modern
diagnostic and workshop equipment and a wide range of spare parts for
passenger cars and commercial vehicles:

- ▶ Solutions for efficient and effective vehicles repairs
- ▶ Innovative workshop equipment and software
- ▶ One of the world's most comprehensive ranges
of new and exchange parts
- ▶ Large network of wholesale customers,
for quick and reliable parts supply
- ▶ Competent technical support
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