MF

MAINTENANCE FREE

Supplied with an acid pack, MF batteries (AGM technology) **must be activated** by filling with acid before the first use. **Totally sealed once activated,** those batteries **don't require maintenance or any water refilling** thanks to gas recombination technology. MF batteries are the good solution **for entry-level bikers seeking** ease of use.

ORIGINAL EQUIPMENT OEM MANUFACTURER



TO BE ACTIVATED
AGM (Absorbent Glass Mat) technology.

ACID PACK INCLUDED
For initial filling.

NO MAINTENANCE*
VRLA (Valve Regulated Lead-Acid) design.

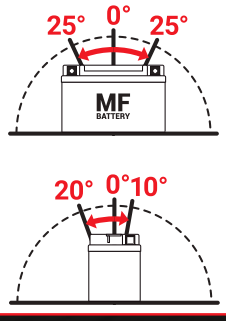
TIGHTLY SEALED AFTER FILLING
Electrolyte is held in a glass fiber mat.

SUPERIOR POWER & EXTENDED CYCLE LIFE

LONG SHELF LIFE
No need to be recharged while stocked (if not activated).

*once activated

MOUNTING ANGLES
MEDIUM INCLINATION



COMPATIBLE CHARGERS

BS 10
Battery size up to 20Ah

BS 30
Battery size up to 60Ah

BS 30 MAX
Battery size up to 60Ah

BS 60
Battery size up to 120Ah

BK 20
Battery size up to 40Ah

DID YOU KNOW?

MF batteries are not suitable for e-commerce. Since February 1st, 2021, the regulation (EU) 2019/1148 prohibits the sale of acid batteries to the public in Europe.

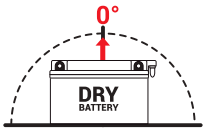
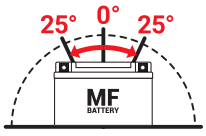
The "- BS" suffix at the end of the reference means Bottle Supplied and indicates that the battery is supplied with an acid pack.

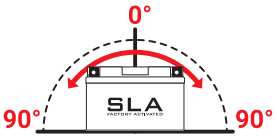
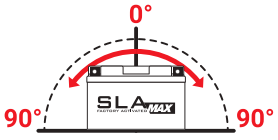
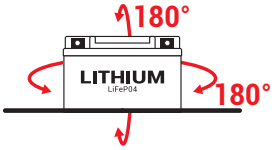
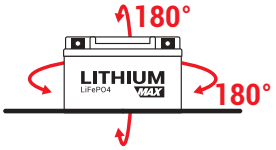
12V - TECHNICAL FEATURES

BS BATTERY TYPE	BS CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL
					L	W	H		
BT4B-BS	300625	2.3	2.4	40	113	38	85		J
BTR4A-BS	300624	2.3	2.4	45	113	48	85		I
BTX4L-BS	300909	3	3.2	50	113	70	85		A
BT5AL-BS	300747	5	5.3	65	120	60	130		B
BTX4L-BS+/BTZ5S-BS	300617	4	4.2	50	113	70	85		A
BTX5L-BS	300618	4	4.2	80	113	70	105		A
BTZ7S-BS	300695	6	6.3	130	113	70	105		A
BTX7A-BS	300619	6	6.3	105	150	87	93		A
BTX7L-BS	300620	6	6.3	100	113	70	130		A
BT7B-BS	300626	6.5	6.8	85	150	65	93		A
BT9B-BS	300627	8	8.4	120	150	70	105		A
BTX9-BS	300621	8	8.4	135	150	87	105		A
BTZ10S-BS	300696	8.6	9	190	150	88	93		A
BT12-10Z-BS	300622	9	9.5	150	194	59	112		A
BT9A-BS	300748	9	9.5	115	135	75	139		A
BT12A-BS	300602	10	10.5	175	150	88	105		A
BT12B-BS	300628	10	10.5	210	150	70	130		A
BTX12-BS	300603	10	10.5	180	150	87	130		A
BTZ12S-BS	300697	11	11.6	215	150	88	110		A
BT14B-BS	300629	12	12.6	210	150	70	145		A
BTX14-BS	300604	12	12.6	200	150	87	145		A
BTX14L-BS	300605	12	12.6	200	150	87	145		A
BTX14AH-BS	300606	12	12.6	210	133	90	164		A
BTX14AHL-BS	300607	12	12.6	210	133	90	164		A
BTZ14S-BS	300698	11.2	11.8	230	150	88	110		A
BTX16-BS	300609	14	14.7	230	150	87	161		A
BTX16-BS-1	300623	14	14.7	230	150	87	161		E
BTX20-BS	300611	18	18.9	270	175	87	155		A
BTX20A-BS	300808	18	18.9	270	150	87	161		A
BTX20CH-BS	300616	18	18.9	270	150	87	161		A
BTX20L-BS	300610	18	18.9	270	175	87	155		A
BTX20HL-BS	300614	18	18.9	310	175	87	155		A
BTX20H-BS	300613	18	18.9	310	175	87	155		A
BTX24HL-BS	300630	21	22.1	350	205	87	162		A
BIX30L-BS	300753	30	31.6	400	168	126	173		A

TERMINAL TYPE	A	B	C	D	E	F	G	H	I	J
										

BATTERY RANGE OVERVIEW

	DRY BATTERY	MF BATTERY
	CONVENTIONAL	MAINTENANCE FREE
		
	Entry-level bikers with standard requirements.	Entry-level bikers seeking easiness.
TECHNOLOGY	Flooded dry	AGM/VRLA
FACTORY ACTIVATED READY-TO-USE	–	–
NO ACID HANDLING	–	–
NO MAINTENANCE	–	✓ (1)
NON-SPILLABLE	–	–
INCLINATION LEVEL		
OEM APPROVED	–	✓
SUITABLE FOR E-COMMERCE COMPLIANT WITH EU REGULATION 2019/1148 (FOR THE SALE OF ACID FOR BATTERIES)	–	–
EASY TO SHIP	–	–
TRANSPORT TYPE	(2) (2)	(2) (2)

SLA FACTORY ACTIVATED	SLA MAX FACTORY ACTIVATED	LITHIUM LiFePO4	LITHIUM LiFePO4 MAX
READY-TO-USE	READY-TO-USE MAXIMUM POWER	INNOVATION FOR HIGH PERFORMANCE	INNOVATION FOR MAXIMUM PERFORMANCE
			
Budget-conscious riders looking for performance and time-saving.	Adventure riders with big engines seeking robust performance and durability.	Demanding riders seeking for peak performance, lightweight and advanced technology.	Selective riders aiming to meet the latest standards of modern vehicles.
AGM/VRLA	**AGM/VRLA**	**LiFePO4**	**LiFePO4**
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
			
✓	✓	✓	✓
✓	✓	✓	✓
✓	✓	✓	✓
			

(1) Once activated | (2) According to ADR, IMDG & IATA regulations

UPGRADE CROSS REFERENCE CHART

DRY	MF	SLA	SLA MAX	LITHIUM
	BTZ5S/BTX4L-BS+	BTZ5S/BTX4L+		BSLi-02 ; BSLi-02 MAX
		BTZ6V/BTX5L		BSLi-02 ; BSLi-02 MAX
	BTZ7S-BS	BTZ7S		BSLi-02 ; BSLi-02 MAX
	BT7B-BS	BT7B-4		BSLi-03
		BTZ7V		BSLi-02 ; BSLi-02 MAX
		BTZ8V		BSLi-02 ; BSLi-02 MAX
	BT9B-BS	BT9B-4		BSLi-03
	BTZ10S-BS	BTZ10S		BSLi-04/06
	BTZ12S-BS	BTZ12S		BSLi-04/06 ; BSLi-09
	BT12B-BS	BT12B-4		BSLi-04/06
	BTZ14S-BS	BTZ14S		BSLi-04/06 ; BSLi-09
	BT14B-BS	BT14B-4		BSLi-04/06
51814 ; 51913			51913 MAX	
	BT12-10Z-BS	BT12-10Z		
	BT4B-BS	BT4B-5		
	BTR4A-BS	BTR4A-5		
	BTX4L-BS+/BTZ5S-BS	BTX4L+/BTZ5S		BSLi-02 ; BSLi-02 MAX
	BTX5L-BS	BTX5L/BTZ6V		BSLi-02 ; BSLi-02 MAX
		BTX6.5L		BSLi-02 ; BSLi-02 MAX
	BTX7L-BS	BTX7L		BSLi-02 ; BSLi-02 MAX
	BTX7A-BS	BTX7A		BSLi-03
	BTX9-BS	BTX9		BSLi-03
	BT12A-BS	BT12A		BSLi-04/06
	BTX12-BS	BTX12		BSLi-04/06
	BTX14-BS	BTX14	BTX14H MAX ; BGZ16H MAX	BSLi-04/06
	BTX14L-BS	BTX14L	BGZ16HL MAX	BSLi-08
BB14-A2 (12N14-4A) ; BB14-B2	BTX14AH-BS	BTX14AH/BB14-A2/B2	BTX14AH MAX	BSLi-04/06
BB14L-A2 (12N14-3A) ; BB14L-B2	BTX14AHL-BS	BTX14AHL/BB14L-A2/B2		BSLi-05
	BTX16-BS	BTX16	BGZ16HL MAX	BSLi-09
	BTX20-BS	BTX20H	BGZ20H MAX	BSLi-09
	BTX20CH-BS ; BTX20A-BS	BTX20CH		BSLi-09
BB18L-A	BTX20L-BS ; BTX20HL-BS	BTX20HL	BGZ20HL MAX	BSLi-10 ; BSLi-10 MAX
B50-N18L-A/A2/A3	BTX24HL-BS	BTX24HL/B50-N18L-A/A2/A3		BSLi-10 ; BSLi-10 MAX
BB30L-B	BIX30L-BS	BIX30L	BGZ32HL MAX	BSLi-12 ; BSLi-12 MAX
6N11A-1B ; 6N11A-3A		6N11A-1B/3A		
6N4-2A ; 6N4-2A-4		6N4-2A/A-4		
6N6-3B ; 6N6-3B-1		6N6-3B/B-1		
6N11A-4 ; 6N11A-4A		6N11A-4A		
B49-6		B49-6		
B38-6A		B38-6A		
12N5.5-3B		12N5.5-3B		BSLi-02 ; BSLi-02 MAX
12N5.5-4A ; 12N5.5-4B		12N5.5-4A/4B		
12N7A-3A		12N7A-3A/B		
BB3L-A ; BB3L-B		BB3L-A/B		BSLi-01
BB4L-B		BB4L-B		BSLi-02 ; BSLi-02 MAX
BB5L-B (12N5-3B)		BB5L-B		BSLi-02
BB7-A (12N7-4A)		BB7-A		BSLi-03
BB7C-A		BB7C-A		BSLi-02 ; BSLi-02 MAX
BB7B-B		12N7A-3A/B		
BB7L-B (12N7-3B) ; BB7L-B2		BB7L-B2		BSLi-02 ; BSLi-02 MAX
BB9-B (12N9-4B-1)	BT9A-BS	BB9-B		BSLi-03
BB10L-A2 ; BB10L-B2 ; BB10L-BP		BB10L-A2/B2		BSLi-05
BB12AL-A/A2		BB12AL-A2		BSLi-05
BB12A-A (12N12A-4A-1) ; BB12A-B		BB12A-A/B		BSLi-04/06
BB14A-A2 ; BB14A-A1		BB14A-A2		BSLi-04/06
BB14-A2 (12N14-4A) ; BB14-B2	BTX14AH-BS	BB14-A2/B2/BTX14AH	BTX14AH MAX	BSLi-04/06
BB14L-A2 (12N14-3A) ; BB14L-B2	BTX14AHL-BS	BB14L-A2/B2/BTX14AHL		BSLi-05
BB16AL-A2		BB16AL-A2		BSLi-05
BB16CL-B		BB16CL-B		BSLi-10 ; BSLi-10 MAX
B50-N18L-A/A2/A3	BTX24HL-BS	B50-N18L-A/A2/A3/BTX24HL		BSLi-10 ; BSLi-10 MAX
53030		53030		BSLi-12 ; BSLi-12 MAX