



The Power you need...

POWERSPORT

SOLUTIONS

2026



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BATTERY | CHARGER | BOOSTER | TESTER



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RACING

Aprilia Racing



Fabio Quartararo



Yamaha GMT94



Kawasaki Bud Racing



MotoAmerica



Canadian Superbike Championship Saddlemen Race Development



Suzuki Junior Team

OFFICIAL SPONSOR

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DISCLAIMER: these instructions have been written with the most current information available at the time of publication, based on sound engineering principles, research, extensive field experience, and the technical judgment of industry members. However, users are cautioned that this information is subject to change upon developments in technology, field experience, and available fitment data. BS BATTERY cannot nor does not claim any express or implied responsibility, representation, or warranty concerning this catalog's data or recommendations. Although this catalog has been compiled with the utmost care, BS BATTERY shall in no event be liable for any loss or damages claimed to have occurred as a result of use of this data or from the recommendations set henceforth. Users should always use the most current edition of the BS Powersports Battery catalog & applications and consult their equipment manufacturer's user manual or service department for specific replacement battery application information.

CREATION: Charles Farcy & Pierre Bresson - **PHOTOS:** William Joly, Aprilia Racing Team ©, Yamaha MotoGP ©, Bud Racing ©, Sherco Racing Factory Team ©, Ombeline Guirauton

BATTERY RANGE OVERVIEW



SLA | READY TO START



Budget-conscious riders looking for performance and time-saving.

TECHNOLOGY

FACTORY ACTIVATED
READY TO USE

NO ACID HANDLING

NO MAINTENANCE

NON-SPILLABLE

INCLINATION LEVEL

SUITABLE FOR E-COMMERCE
COMPLIANT WITH EU REGULATION 2019/1148
(FOR THE SALE OF ACID FOR BATTERIES)

EASY TO SHIP

TRANSPORT TYPE

AGM/VRLA



HIGH INCLINATION





SLA MAX |
READY TO START
MAXIMUM POWER



Adventure riders with big engines seeking robust performance and durability.

LITHIUM |
INNOVATION FOR
HIGH PERFORMANCE



Demanding riders seeking for peak performance, lightweight and advanced technology.

LITHIUM MAX |
INNOVATION FOR
MAXIMUM PERFORMANCE



Selective riders aiming to meet the latest standards of modern vehicles.

AGM/VRLA

LiFePO4

LiFePO4



HIGH INCLINATION

HIGH INCLINATION

HIGH INCLINATION



(1) According to ADR, IMDG & IATA regulations

LITHIUM

INNOVATION FOR HIGH PERFORMANCE

Designed to offer **higher performance** thanks to **highly reduced weight**, low self-discharge, much **longer battery life**, the Lithium battery range covers most of the current vehicle parc.

ORIGINAL EQUIPMENT
OEM
MANUFACTURER

plug
and
play



READY TO USE

Just plug & play.



LIGHTER WEIGHT

Up to 70% lighter than Lead Acid batteries.



EXTENSIVE CYCLE LIFE

Over 2 000 cycles.



HEAT RESISTANCE

Up to 230°C.



ROBUST BRASS TERMINALS

To enhance electrical performance.



STATE OF CHARGE INDICATOR

Monitor the state of charge with the indicator screen on the top.



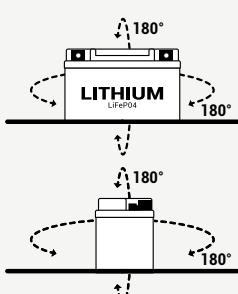
SPACERS

For superior performance and limited vibrations, our Lithium batteries are much smaller than the Lead Acid ones. Different spacer types are delivered with each battery to fit the casing easily.

Note: lithium motorcycle batteries can't be charged over 15V and require a specific charger for lithium technology.

MOUNTING ANGLES

HIGH INCLINATION



COMPATIBLE CHARGERS

BS 10
Battery size up to 20Ah

BS 30
Battery size up to 60Ah

BK 20
Battery size up to 40Ah

DID YOU KNOW?

BS BATTERY Lithium Range is also suitable for all big-engines bikes such as Harley Davidson, BMW, Indian, Triumph...

Our 3 models:
BSLi-02, BSLi-03, BSLi-04/06
cover 80% of the existing
parc fitments.

BS TYPE	BS CODE	PE CODE	POWER (Wh)	CCA (A)	CAPACITY Ah (10Hr)	DIMENSIONS (±2mm)			POLARITY	TERMINAL	REPLACEMENT - MOST POPULAR MODELS		
						L	W	H			SLA / SLA MAX	MF	DRY
BSLi-01	360101	21130783	24	140	2	86	48	90	- +		Replacement for KTM Original Equipment LFP01		
BSLi-02	360102	21130784	24	140	2	107	56	85	- +		12N5.5-3B BB4L-B BB5L-B BB7C-A BB7L-B2 BTX4L+/BTZ5S BTX5L/BTZ6S BTX6.5L BTX7L BTZ7S BTZ7V BTZ8V	BTX4L-BS+/ BTZ5S-BS BTX5L-BS BTX7L-BS BTZ7S-BS	12N5.5-3B 12N7A-3A BB4L-B BB5L-B BB6.5L-B BB7C-A BB7L-B BB7L-B2
BSLi-03	360103	21130785	36	210	3	134	65	92	+ -		BB7-A BB9-B BTX7A BTX9 BT7B-4 BT9B-4	BTX7A-BS BT7B-BS BT9A-BS BT9B-BS BTX9-BS	12N7-4A 12N9-4B-1 BB7-A BB9-B
BSLi-04/06	360104	21130786	48	280	4	134	65	92	+ -		BB12A-A/B BB14A-A2 BTX12 BTX14 BTX14H BTX14AH BTX14AH/ BB14-A2/B2 BT12B-4 BT14B-4 BT12A BTZ10S BTZ12S BTZ14S BGZ16H	BTX12-BS BTX14-BS BTX14AH-BS BT12B-BS BT14B-BS BT12A-BS BTZ10S-BS BTZ12S-BS BTZ14S-BS	12N14-4A 12N12A-4A-1 BB10A-A2 BB12A-A BB12A-B BB12C-A BB14-A2 BB14-B2 BB14A-A1 BB14A-A2
BSLi-05	360105	21130787	48	280	4	134	65	92	- +		BB10L-A2/B2 BB12AL-A2 BB16AL-A2 BTX14AHL/ BB14L-A2/B2	BTX14AHL-BS	12N10-3A 12N10-3B 12N14-3A BB10L-A2/B2 BB10L-BP BB12AL-A BB12AL-A2 BB14L-A1/A2 BB14L-B2 BB16AL-A2
BSLi-08	360108	21130789	60	300	5	148	86	105	- +		BB16CL-B BTX14L BTX14HL BGZ16HL	BTX14L-BS	BB16L-B BB16CL-B
BSLi-09	360119	21130939	90	480	7.5	148	86	105	+ -		BTZ12S BTZ14S BTX16 BTX16H BTX20H BTX20CH BGZ20H	BTZ12S-BS BTZ14S-BS BTX16-BS BTX16-BS-1 BTX20-BS BTX20CH-BS BTX20A-BS	BB16-B BB16B-A/A1 HBB16A-A/AB BB18-A
BSLi-10	360118	21130940	90	480	7.5	148	86	105	- +		BTX20HL BTX24HL/ B50N18L-A/ A2/A3 BGZ20H	BTX20L-BS BTX20HL-BS BTX24HL-BS	BB18L-A B50-N18L-A B50-N18L-A2/ A3/AT
BSLi-12	360112	21130792	96	560	8	165	86	130	- +		BIX30L BIX30HL 53030 BGZ32HL	BIX30L-BS	BB30L-B BB30CL-B B60-N30L-A 12N24-3A 52515 53030
BSLi-13	360113	21130912	96	560	8	183	79	170	- +		51913	-	51913 51814
BSLi-14	360114	21130915	36	210	3	114	70	105	- +		Replacement for Honda original equipment HY110		

LITHIUM MAX

INNOVATION FOR MAXIMUM PERFORMANCE

Designed to offer **maximum performance** thanks to **highly reduced weight**, **low self-discharge**, **much longer battery life**. The Lithium Max battery range is specially developed to meet the superior needs of off-road motorcycles, V-Twins, ATVs, UTVs and SSVs.

ORIGINAL EQUIPMENT
OEM
MANUFACTURER

plug
and
play



MAX



READY TO USE

Just plug & play.



LIGHTER WEIGHT

Up to 70% lighter than Lead Acid batteries.



EXTENSIVE CYCLE LIFE

Over 2 000 cycles.



HEAT RESISTANCE

Up to 230°C.



ROBUST BRASS TERMINALS

To enhance electrical performance.



STATE OF CHARGE INDICATOR

Monitor the state of charge with the indicator screen on the top.



HIGHEST STARTING POWER

Up to 900A.



HIGHEST CAPACITY

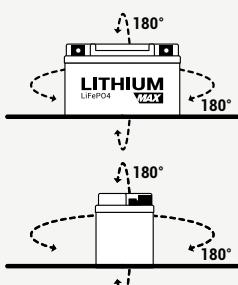
Up to 2 times that of the Lithium range.



Note: lithium motorcycle batteries can't be charged over 15V and require a specific charger for lithium technology.

MOUNTING ANGLES

HIGH INCLINATION



COMPATIBLE CHARGERS

BS 10
Battery size up to 20Ah

BS 30
Battery size up to 60Ah

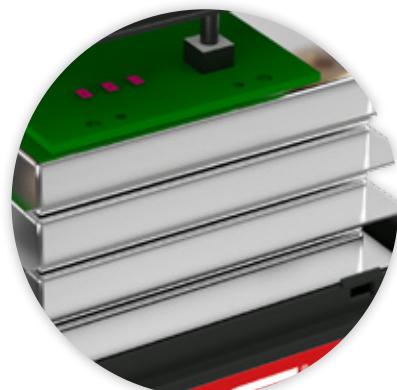
BK 20
Battery size up to 40Ah

DID YOU KNOW?

Our BSLi-10 Max & BSLi-12 Max battery casings are designed to fit with original Lead Acid batteries no spacers are required.

Lithium batteries exceeding 100Wh must be shipped as dangerous goods. Our Lithium Max batteries are packaged in UN mastercarton in compliance with international transportation standards.

BS TYPE	BS CODE	PE CODE	POWER (Wh)	CCA (A)	CAPACITY AH(10Hr)	DIMENSIONS (±2mm)			POLARITY	TERMINAL	REPLACEMENT - MOST POPULAR MODELS	
						L	W	H			LITHIUM	SLA/SLA MAX
BSLi-02 MAX	360115	21130938	36	180	3	114	70	85	- +	M5	BSLi-02	12N5.5-3B BB4L-B BB5L-B BB7C-A BB7L-B2 BTX4L+/BTZ5S BTX5L/BTZ6S BTZ7S BTX7L BTZ7V BTZ8V
BSLi-10 MAX	360116	21130949	180	750	15	175	87	155	- +	M6	BSLi-10	BGZ20HL BTX20HL BTX24HL/B50N18L-A/A2/A BTX20L-BS BTX20HL-BS BTX24HL-BS BB18L-A
BSLi-12 MAX	360117	21130950	216	900	18	166	127	175	- +	M6	BSLi-12	BGZ32HL BIX30L BIX30HL BIX30L-BS BB30L-B 53030



LARGER POUCH CELLS

For enhanced CCA, capacity and higher performance.



SLA READY TO START

Ready to use, SLA batteries (AGM technology) are Factory Activated, completely spill-proof, and require **no maintenance**. Our SLA offer is the widest ready to use range available on the market.

ORIGINAL EQUIPMENT
OEM
MANUFACTURER

plug
and
play



FACTORY ACTIVATED

AGM (Absorbent Glass Mat) technology.



READY TO USE

Just plug & play.



NO MAINTENANCE

VRLA (Valve Regulated Lead Acid) design.



SPILL-PROOF DESIGN

Factory sealed & electrolyte held in a glass fiber mat.



NO ACID HANDLING

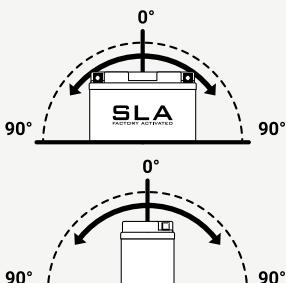
Very safe.



HIGH STARTING POWER & EXTENDED CYCLE LIFE

MOUNTING ANGLES

HIGH INCLINATION NON-SPIRABLE



COMPATIBLE CHARGERS

BS 10 Battery size up to 20Ah

BS 15 Battery size up to 30Ah

BS 30 Battery size up to 60Ah

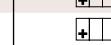
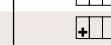
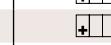
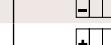
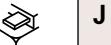
BS 60 Battery size up to 120Ah

BK 20 Battery size up to 40Ah

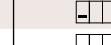
DID YOU KNOW?

BS BATTERY SLA range can replace 95% of Maintenance Free and DRY batteries.

BS BATTERY SLA range is perfectly suitable for e-commerce (air freight, road or sea shipment).

BS BATTERY TYPE	BS CODE	PE CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL
						L	W	H		
BTZ7S	300635-1	21130992	6	6.3	130	113	70	105		A
BT7B-4	300641	21130619	6.5	6.8	110	150	65	93		A
BTZ7V	300912	21131016	6.5	6.8	105	113	70	121		A
BTZ8V	300890	21130837	7	7.4	120	113	70	130		A
BT9B-4	300642	21130620	8	8.4	120	150	68	105		A
BTZ10S	300636-1	21130621	8.6	9	190	150	88	93		A
BTZ12S	300637-1	21130622	11	11.6	215	150	88	110		A
BT12B-4	300643	21130623	10	10.5	210	150	69	130		A
BTZ14S	300638-1	21130624	11.2	11.8	230	150	88	110		A
BT14B-4	300644	21130625	12	12.6	210	150	69	145		A
BT12-10Z	300913	21130918	10	10.5	180	194	59	112		A
BT4B-5	300756	21130754	2.3	2.4	40	113	38	85		J
BTR4A-5	300667	21130966	2.3	2.4	35	113	48	85		I
BTX4L+/BTZ5S	300669	21130626	4	4.2	65	113	70	85		A
BTX5L/BTZ6S	300670	21130627	5	5.3	90	113	70	105		A
BTX6.5L	300904	21131017	6.5	6.8	85	139	66	100		B
BTX7L	300673	21130628	6	6.3	100	113	70	130		A
BTX7A	300672	21130629	6	6.3	105	150	87	93		A
BTX9	300674	21130630	8	8.4	135	150	87	105		A
BT12A	300679	21130631	10	10.5	175	150	87	105		A
BTX12	300680	21130632	10	10.5	180	150	87	130		A
BTX14	300681	21130633	12	12.6	200	150	87	145		A
BTX14L	300760	21130634	12	12.6	200	150	87	145		A
BTX14AH/BB14-A2/B2	300758	21130637	14	14.7	210	135	90	164		A
BTX14AHL/BB14L-A2/B2	300759	21130610	14	14.7	210	135	90	164		D
BTX16	300763	21131018	14	14.7	230	150	87	161		A
BTX20CH	300766	21130639	18	18.9	270	150	87	161		A
BTX20H	300688	21130638	18	18.9	310	175	87	155		A
BTX20HL	300689	21130640	18	18.9	310	175	87	155		A
BTX24HL/B50-N18L-A/A2/A3	300770	21130643	21	22.1	350	205	87	162		A
BiX30L	300631	21130644	30	31.6	400	165	125	175		A
12N5.5-3B	300840	On request	5.5	5.8	70	135	60	130		A
12N5.5-4A/4B	300841	21130964	5.5	5.8	70	135	60	130		A
BB3L-A/B	300842	21130965	3	3.2	35	98	56	110		A
BB4L-B	300665	21130603	4	4.2	50	120	70	92		B
BB5L-B	300671	21130604	5	5.3	65	120	60	130		A
BB7-A	300850	21130834	8	8.4	120	135	75	133		B
BB7C-A	300843	On request	8	8.4	80	129	89	114		A
BB7L-B2	300836	On request	8	8.4	100	135	75	133		E
BB9-B	300675	21130605	9	9.5	120	135	75	139		A
BB10L-A2/B2	300677	21130607	11	11.6	120	133	90	145		A
BB12AL-A2	300837	21130608	12	12.6	150	134	80	161		B
BB12A-A/B	300881	21130835	12	12.6	150	134	80	161		A
BB14A-A2	300838	21130609	14	14.7	210	134	88	176		B
BB16AL-A2	300839	21130612	16	16.8	160	205	70	162		A
BB16CL-B	300771	21130613	19	20	230	175	100	175		F
53030	300880	21130617	30	31.6	300	178	123	166		C
6N4-2A/A-4	300916	21130845	4	4.2	25	71	71	93		-
6N6-3B/B-1	300917	21130840	6	6.3	50	95	55	117		B
B49-6	300918	21130841	10	10.5	80	91	83	159		B
B38-6A	300919	21130842	13	13.7	105	119	83	161		B
6N11A-1B/3A	300915	21130843	11	11.6	90	121	58	130		B
6N11A-4A	300914	21130844	11	11.6	90	121	58	130		B

LAWN & GARDEN

SLA12-20	300879	On request	20	22,1	180	182	77	168		
U1-9 (12N24-4A)	300901	21130900	-	28	300	195	125	176		
U1R-9 (12N24-3A)	300902	21130717	-	28	300	195	125	176		
U1-12 (12N24-4A)	300877	On request	-	32	400	195	125	176		
U1R-12 (12N24-3A)	300878	On request	-	32	400	195	125	176		

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

SLA MAX

READY TO START MAXIMUM POWER

Ready to use, SLA MAX batteries (AGM technology) are **Factory Activated**, completely **spill-proof**, and require no maintenance. Specially developed to meet the superior needs of big-engine bikes offering **maximum performance**, **maximum reliability** and **extended life**.

ORIGINAL EQUIPMENT
OEM
MANUFACTURER

plug
and
play



MAX



FACTORY ACTIVATED

AGM (Absorbent Glass Mat) technology.



READY TO USE

Just plug & play.



NO MAINTENANCE

VRLA (Valve Regulated Lead Acid) design.



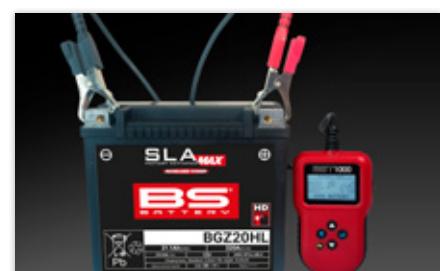
SPILL-PROOF DESIGN

Factory sealed & electrolyte held in a glass fiber mat.



NO ACID HANDLING

Very safe.



EXTREME VIBRATION RESISTANCE

Reinforced battery case.



MAXIMUM STARTING POWER & EXTENDED CYCLE LIFE

20% higher than SLA CCA.

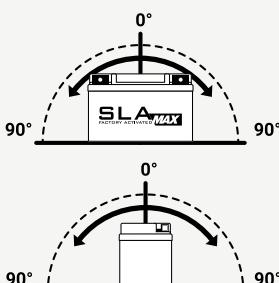


SUPERIOR CAPACITY

20% higher than SLA capacity.

MOUNTING ANGLES

HIGH INCLINATION NON-SPILLABLE



COMPATIBLE CHARGERS

BS 10

Battery size up to 20Ah

BS 15

Battery size up to 30Ah

BS 30

Battery size up to 60Ah

BS 60

Battery size up to 120Ah

BK 20

Battery size up to 40Ah

DID YOU KNOW?

SLA MAX range is a perfect solution for **ATV**, **UTV**, **SSV**, **watercraft** & **snowmobile** too!

BS BATTERY SLA MAX range is suitable for e-commerce (air freight, road or sea shipment).

FOR HARLEY DAVIDSON - BGZ SERIES

NEW

Developed to fit Harley Davidson bikes, the SLA MAX BGZ series thus offer maximum performance to large-engine vehicles with demanding requirements and extensive electronic equipment.

BS BATTERY TYPE	BS CODE	PE CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL	REPLACEMENT - MOST POPULAR MODELS	
						L	W	H			SLA / SLA MAX	MF / DRY
BGZ16H	300931	21130937	16	16.8	240	150	88.5	145			BTX14H BTX14	BTX14-BS
BGZ16HL	300932	21130936	16	16.8	240	150	88.5	145			BTX14HL BTX14L	BTX14L-BS
BGZ20H	300933	21130935	20	21.1	320	176	89	157			BTX20H	BTX20-BS
BGZ20HL	300939	21130987	20	21.1	360	176	89	157			BTX20HL	BTX20L-BS BTX20HL-BS BB18L-A
BGZ32HL	300935	21130933	32	33.7	500	170	132	175			BIX30HL BIX30L	BIX30L-BS BB30L-B



BUILT-IN COPPER NUTS

Enhanced conductivity (up to 50% more than standard terminal) & improved max torque strength (up to 13N.m).



FRONT & TOP CONNECTIONS

Designed to facilitate the mounting on Heavy Duty motorcycles.



TALLER PLATES

For enhanced CCA & Capacity.

FOR BMW

Developed to fit BMW's latest bikes, these SLA MAX models are designed to offer maximal performance with increased capacity and high starting power.

BS BATTERY TYPE	BS CODE	PE CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL
						L	W	H		
BTX14H*	300887	21130635	14	14.7	220	150	87	145		
BTX16H*	300896	21130777	14	16	250	150	87	161		
51913	300860	21130616	21	22	275	182	82	171		

FOR POLARIS & INDIAN

Developed to fit Indian's latest bikes, SLA MAX BTX14AH provides increased power, extended life and maximum reliability.

BS BATTERY TYPE	BS CODE	PE CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL
						L	W	H		
BTX14AH*	300863	21130836	13	13.7	240	134	89	164		

FOR POLARIS & YAMAHA

Developed to fit Polaris and Yamaha SSVs and UTVs, the SLA MAX U1-500 provides enhanced CCA and capacity.

BS BATTERY TYPE	BS CODE	PE CODE	CAPACITY Ah (10Hr)	CAPACITY Ah (20Hr)	CCA A (-18°C)	DIMENSIONS (±2mm)			ASSEMBLY LAYOUT	TERMINAL
						L	W	H		
U1-500	300899	21130993	30	31,6	500	195	125	176		

* Models manufactured and designed according to OEM specifications

UPGRADE CROSS REFERENCE CHART

SLA FACTORY ACTIVATED	SLA MAX FACTORY ACTIVATED	LITHIUM LiFePO4	LITHIUM LiFePO4
PE CODE	PE CODE	PE CODE	PE CODE
21130618	BTZ7S	21130784	BSLi-02
21130619	BT7B-4	21130785	BSLi-03
21130837	BTZ8V	21130784	BSLi-02
21130605	BB9-B	21130785	BSLi-03
21130620	BT9B-4	21130785	BSLi-03
21130621	BTZ10S	21130786	BSLi-04/06
21130622	BTZ12S	21130939	BSLi-09
21130623	BT12B-4	21130786	BSLi-04/06
21130624	BTZ14S	21130939	BSLi-09
21130625	BT14B-4	21130786	BSLi-04/06
21130754	BT4B-5		
21130966	BTR4A-5		
21130626	BTX4L+/BTZ5S	21130784	BSLi-02
21130627	BTX5L/BTZ6S	21130784	BSLi-02
21130628	BTX7L	21130784	BSLi-02
21130629	BTX7A	21130785	BSLi-03
21130630	BTX9	21130785	BSLi-03
21130631	BT12A	21130786	BSLi-04/06
21130918	BT12-10Z		
21130632	BTX12	21130939	BSLi-09
21130633	BTX14	21130937	BGZ16H MAX
21130634	BTX14L	21130936	BGZ16HL MAX
21130637	BTX14AH/BB14-A2/B2	21130836	BTX14AH MAX
21130610	BTX14AHL/BB14L-A2/B2		21130787
		21130777	BTX16H MAX
21130638	BTX20H	21130935	BGZ20H MAX
21130639	BTX20CH		21130939
21130640	BTX20HL	21130934	BGZ20HL MAX
21130643	BTX24HL/B50-N18L-A/A2/A3		21130940
21130644	BIX30L	21130933	BGZ32HL MAX
21130843	6N11A-1B/3A		21130939
21130845	6N4-2A/A-4		BSLi-09
21130840	6N6-3B/B-1		
21130844	6N11A-4A		
21130841	B49-6		
21130842	B38-6A		
21130964	12N5.5-4A/4B		
21130965	BB3L-A/B	21130783	BSLi-01
21130603	BB4L-B	21130784	BSLi-02
21130604	BB5L-B	21130784	BSLi-02
21130834	BB7-A	21130785	BSLi-03
21130607	BB10L-A2/B2	21130787	BSLi-05
21130608	BB12AL-A2	21130787	BSLi-05
21130835	BB12A-A/B	21130786	BSLi-04/06
21130609	BB14A-A2	21130786	BSLi-04/06
21130612	BB16AL-A2	21130787	BSLi-05
21130613	BB16CL-B	21130789	BSLi-08
21130617	53030	21130792	BSLi-12
		21130616	51913 MAX
		21130912	BSLi-13
		21130915	BSLi-14

BATTERY FINDER



BATTERY FINDER

Find the right BS BATTERY for your vehicle
on our website

bs-battery.com

PACKAGING INFORMATION GUIDE

LITHIUM

LiFePO4

LITHIUM

LiFePO4

MAX



SLA
FACTORY ACTIVATED

SLA
FACTORY ACTIVATED **MAX**



① Battery designation

② Battery range

③ Technical specifications

④ Battery polarity

⑤ Lead acid battery type replacement

PACKAGING INFORMATION GUIDE

LITHIUM
LiFePO4
LITHIUM
MAX

SLA
FACTORY ACTIVATED
SLA
FACTORY ACTIVATED **MAX**



INSTRUCTION
MANUAL



SCAN ME

FR INSTRUCTIONS DE MONTAGE
DE BEDIENUNGSANLEITUNG
ES MANUAL DE INSTRUCCIONES
IT LIBRETTO D'ISTRUZIONI
PT MANUAL DE INSTRUÇÕES
NL INSTRUCTIE HANDLEIDING
PL INSTRUKCJA OBSŁUGI
GR ΕΓΧΕΙΡΙΔΙΟ ΟΔΗΓΙΩΝ
RU ИНСТРУКЦИЯ ПО ЭКСПЛУАТАЦИИ

NEW

QR CODE
FOR DIGITAL
INSTRUCTIONS

Direct access to our website's download area, where you can access and download all the necessary instructions digitally.

CHARGER SELECTION CHART



BATTERY TECHNOLOGY

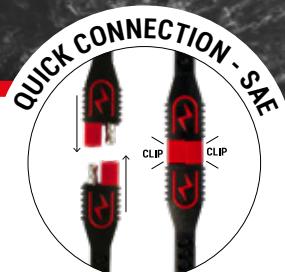
AUTO-DETECT LEAD ACID & LITHIUM

LEAD ACID

BATTERY VOLTAGE (V)	6 & 12	12	6 & 12	12
BATTERY CAPACITY (Ah)	UP TO 20	UP TO 60	UP TO 40	UP TO 30
BATTERY CAPACITY FOR MAINTENANCE (Ah)	UP TO 40	UP TO 120	UP TO 80	UP TO 60
CHARGING CURRENT (A)	1	3	3x 2	1.5
CHARGING PROGRAM	9 STAGES		10 STAGES	8 STAGES
RECONDITIONING FUNCTION	NO		YES	YES
USERS TYPE	FOR END-USERS	FOR END-USERS	FOR PROFESSIONALS	FOR END-USERS
GOOD TO KNOW	WALL MOUNT CONNECTION	MULTIAxis HOOK	DISPLAY PARTS (OPTION page 36)	MULTIAxis HOOK
SUITABLE FOR				

BS 10

SMART BATTERY CHARGER & MAINTAINER



BS Code: 700516
PE Code: 38070464

* UK Version:
BS Code: 700570
PE Code: 38070696

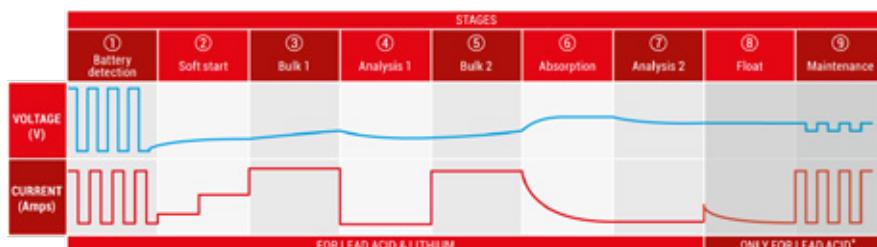
BS 10 LEAD ACID & LITHIUM 6V/12V - 1A

- Auto detect Lead Acid or Lithium technology.
- 6V & 12V mode selection.
- Zero overcharge: adaptable charging algorithm Lead Acid & Lithium (LiFePO4).
- Safe: connection spark-free, reverse polarity, short circuit and internal overheat protection.
- Easy to use: connect, select battery voltage & forget.
- Battery capacity: up to 20Ah.

BOX CONTENT



CHARGING CURVE - 9 STAGES



*Adaptable charging algorithm for Lithium=
No float & maintenance stages.
Once the battery is fully charged, the charge is stopped.



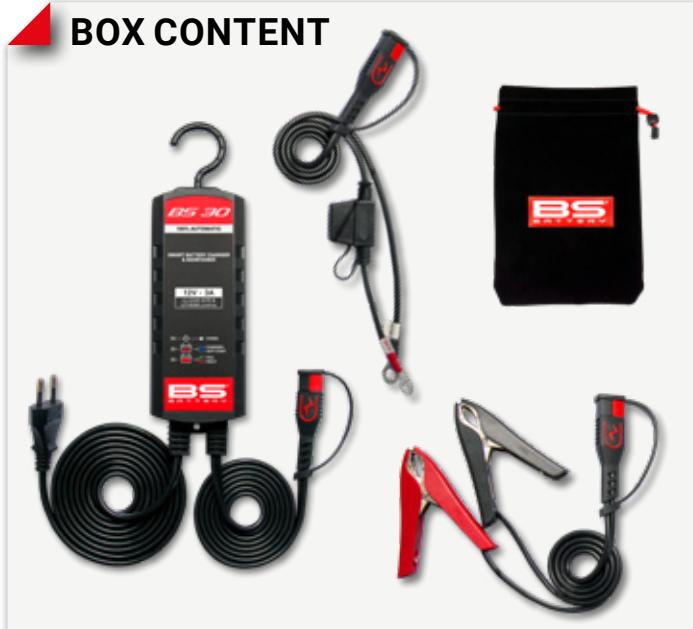
BS 30

SMART BATTERY CHARGER & MAINTAINER



BS Code: 700566
PE Code: 38070587

BOX CONTENT

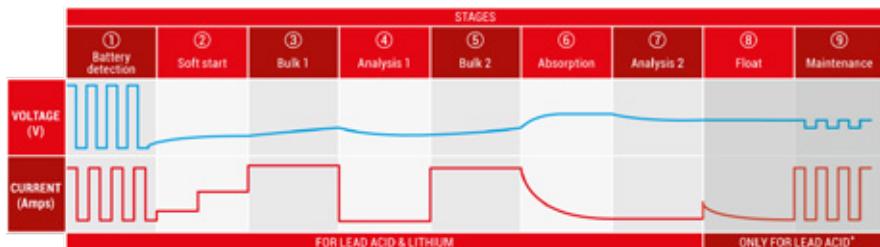


BS 30 LEAD ACID & LITHIUM

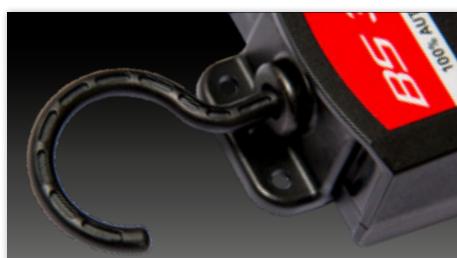
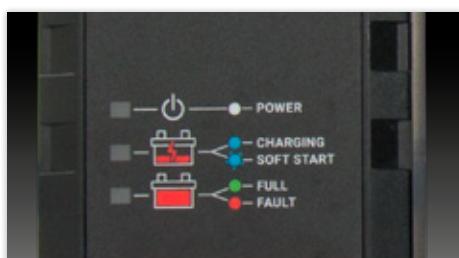
12V - 3A

- Auto detect Lead Acid or Lithium technology.
- Zero overcharge: adaptable charging algorithm Lead Acid & Lithium (LiFePO4).
- Safe: connection spark-free, reverse polarity, short circuit and internal overheating protection.
- Easy to use: connect & forget.
- Multi-axis hook.
- Battery capacity: up to 60Ah.

CHARGING CURVE - 9 STAGES



*Adaptable charging algorithm for Lithium=
No float & maintenance stages.
Once the battery is fully charged, the charge is stopped.



BK 20

SMART BANK BATTERY CHARGER & MAINTAINER WITH RECONDITIONING FUNCTION



FOR
PROFESSIONALS

BS Code: 700547
PE Code: 38070588

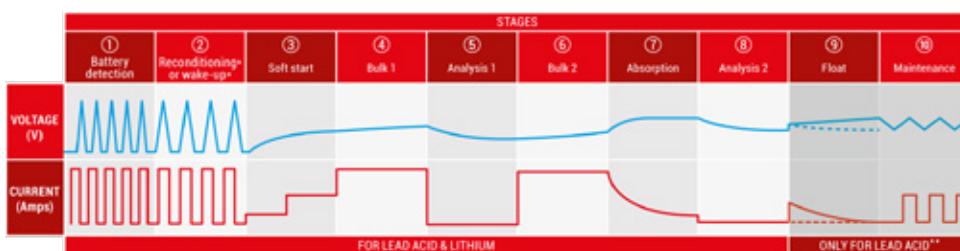
BK 20 LEAD ACID & LITHIUM 6V/12V - 3X 2A

- Charges and maintains 3 batteries with different voltages and technologies at once.
- Auto detect Lead Acid or Lithium technology.
- Zero overcharge: adaptable charging algorithm Lead Acid & Lithium (LiFePO4).
- Force mode function: to activate low voltage "dead" Lead Acid battery or wake up "dead" LiFePO4 battery.
- Safe: connection spark-free, reverse polarity, short circuit and internal overheat protection.
- Easy to use: connect, select battery voltage & forget.
- 6V & 12V mode selection.
- Battery capacity: up to 40Ah.

BOX CONTENT



CHARGING CURVE - 10 STAGES



* Only if force mode is selected:
- For Lead Acid: reconditioning stage.
- For Lithium: wake-up stage.

**Adaptable charging algorithm for Lithium= No float & maintenance stages.
Once the battery is fully charged, the charge is stopped.

DID YOU KNOW?

CHARGING STATION

Build your own Charging Station to charge and maintain 6 batteries at once!
Refer to page 36

BATTERY DISPLAY 900075
+
ASSEMBLY PART 700548
+
CHARGER BK 20 700547



BS 15

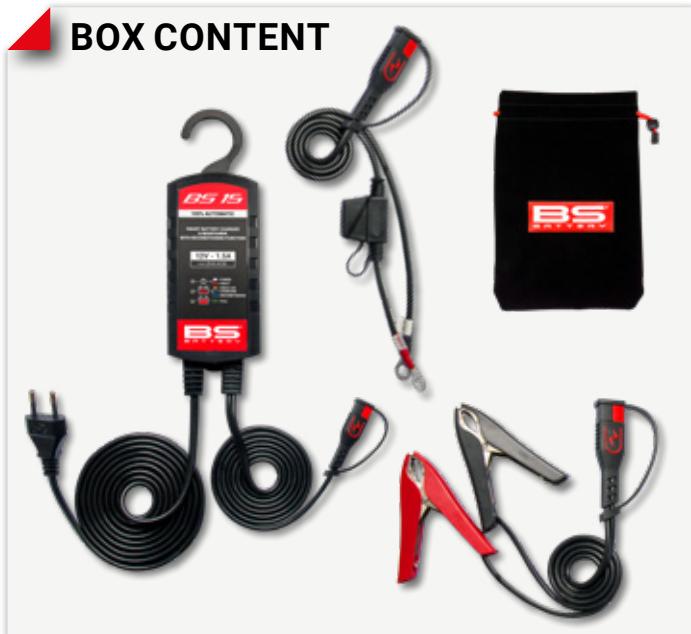
SMART BATTERY CHARGER & MAINTAINER WITH RECONDITIONING FUNCTION



BS Code: 700565

PE Code: 38070463

BOX CONTENT



BS 15 LEAD ACID

12V - 1.5A

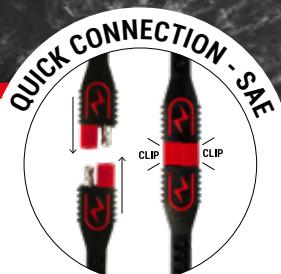
- › Suitable for Lead Acid batteries.
- › Reconditioning function for deeply discharged batteries.
- › Ideal for charging during the winter season.
- › Safe: connection spark-free, reverse polarity, short circuit and internal overheating protection.
- › Easy to use: connect & forget.
- › Multiaxis hook.
- › Battery capacity: up to 30Ah.

CHARGING CURVE - 8 STAGES



BS 60

SMART BATTERY CHARGER & MAINTAINER WITH RECONDITIONING FUNCTION



BS Code: 700532
PE Code: 38070799

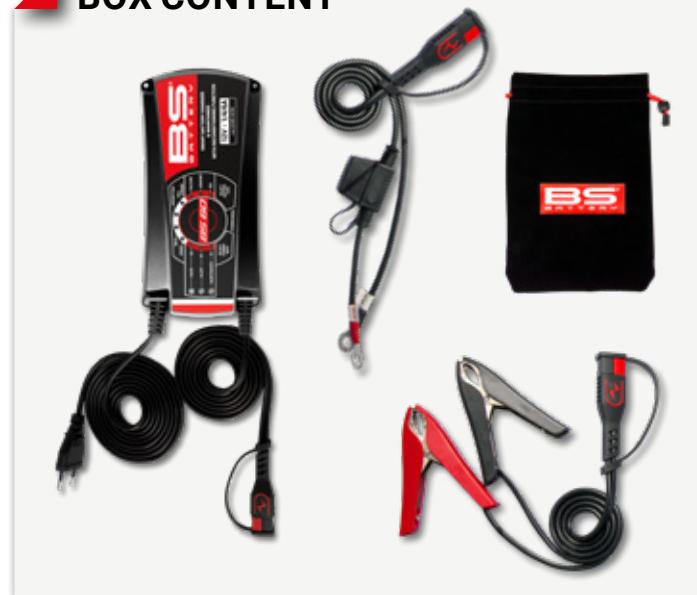
BS 60

LEAD ACID

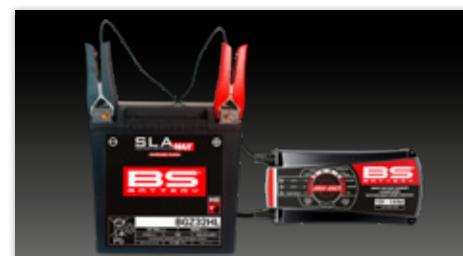
12V - 1/4/6A

- › Suitable for Lead Acid batteries.
- › Reconditioning function for deeply discharged batteries.
- › Selectable battery type (Calcium, Gel, AGM) and charge rate (1A/4A/6A).
- › Automatic battery condition diagnosis
- › Safe: connection spark-free, reverse polarity, short circuit and internal overheat protection.
- › Easy to use: connect, select battery type charge rate & forget.
- › Battery capacity: up to 120Ah.

BOX CONTENT



CHARGING CURVE - 9 STAGES



PB 02 BOOSTER

Get back on the road in no time thanks to our ultra compact and powerful battery jump starter!

The Power Box is versatile to safely jump start battery on all vehicles, charge and recharge USB devices including 3 light modes in case of emergency. Ultra safe, our booster PB 02 is delivered with a smart cable to ensure spark-proof connection and reverse polarity protection. Thanks to a compact and lightweight conception, you can easily insert your PB 02 inside a motorcycle trunk, glove box, or adventurer backpack.

BS Code: 700559
PE Code: 21130913



BOX CONTENT



OPTION: Extended smart cable (60cm).

BS Code: 700577
PE Code: On request



NEW

BOOSTER 1200A & POWER SUPPLY & FLASHLIGHT

- Compact & powerful booster rated at 1200A.
- Suitable for 12V Lead Acid battery only.
- Up to 20 jump starts in one charge.
- Designed for gas (7.0L) and diesel (6.0L) engines.
- Very safe: smart cable with spark-proof connection and reverse polarity protection.
- Power supply for all USB devices when you need them most.
- LED flashlight function with 3 modes.
- LCD display with state of charge indication and output ports used.
- Comes with a storage case, smart jump lead, lightning cable, Micro USB cable, USB C cable, 12V car charger and 12V home charger.

BATTERY COMPATIBILITY





► BOOSTER

600A 1200A

Start current Start peak current

SUITABLE FOR



GAS 7.0L

engines up to 7000cc

DIESEL 6.0L

engines up to 6000cc



► POWER SUPPLY

Recharge your mobile, tablet or any other device thanks to the USB port.

SUITABLE FOR



UNIVERSAL PLUGS

EASY TO CHARGE & RECHARGE!



► LED FLASHLIGHT

3 LIGHT MODES:

- CONSTANT LIGHT
- STROBE
- SOS

BST 1000

TESTER

The BST 1000 is a 12V Lead Acid & Lithium Battery Tester that offers a complete testing program including: battery test, charging test, alternator test, resistance test, voltage test and cranking test (CCA- cold cranking amps).

Designed for professionals, the BST 1000 is the perfect solution to check the health of your automotive or powersport battery in a few minutes!

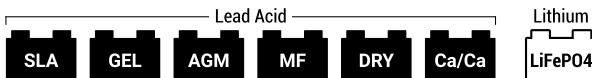


BS Code: 700605
PE Code: 21130914

BOX CONTENT



BATTERY COMPATIBILITY



LEAD-ACID & LITHIUM BATTERY TESTER

- For Lead Acid (flooded, AGM flat or spiral, GEL, EFB) & lithium batteries.
- For all 12V automotive or powersport batteries.
- 5 battery tests: charging, alternator, resistance, voltage, cold cranking Amps tests.
- Easy to read thanks to the large LCD screen.
- Print function via PC printer.
- Multiple languages: English, German, Spanish, French, Dutch & Italian.
- Short circuit and polarity reverse protections.

APPLICATION



FEATURES



Voltage test



Cranking test



Alternator test



Resistance test



Safe



Multi languages



Printing



Data storage

HOW TO CHECK YOUR MOTORCYCLE BATTERY CHARGE?

Understand your battery: distinguish between nominal voltage and actual voltage!

LEAD ACID BATTERY

- 13V → Top Condition - 100%
- 12.8V → Good battery - 75%
- 12.5V → Needs recharging - 50%
- 12.2V → Urgent recharge needed - 25%
- < 12V → Dead battery - 0%

LITHIUM BATTERY

- > 13.3V → Top Condition
- 13V - 12.8V → Needs Recharging
- 12.8V - 12.5V → Immediate Recharge Required
- 2.5V - 0V → Deep Discharge

HOW TO INTERPRET TEST RESULTS?

1. GOOD CONDITION

Battery Status: 96%
Charge Level: 98%
Internal Resistance: 6.1 mΩ
Reference Base: 500 A
Interpretation: good battery

490 CCA
12.64 V

2. GOOD CONDITION REQUIRES RECHARGING

Battery Status: 78%
Charge Level: 30%
Internal Resistance: 7.2 mΩ
Reference Base: 500 A
Interpretation: good condition but needs recharging

3. BATTERY CLOSE TO END NEEDS REPLACEMENT

Battery Status: 46%
Charge Level: 98%
Internal Resistance: 35 mΩ
Reference Base: 500 A
Interpretation: aging battery, needs replacement

230 CCA
12.64 V

4. CHARGE AND RETEST

Battery Status: 39%
Charge Level: 20%
Internal Resistance: 15 mΩ
Reference Base: 500 A
Interpretation: charge the battery and retest

5. DAMAGED BATTERY NEEDS REPLACEMENT

Battery Status: 0%
Charge Level: 20%
Internal Resistance: 45.2 mΩ
Reference Base: 500 A
Interpretation: defective battery, replace

0 CCA
10.64 V

BT 02 & BT 03

TESTER



BT 02

BS Code: 700512
PE Code: 21130804



BATTERY & ALTERNATOR TESTER

The BT 02 is a battery & alternator tester designed to save time on electrical issues: it gives an instant diagnosis.

- For 12V Lead Acid batteries only.
- Check alternator or battery's health.

BT 03

BS Code: 700517
PE Code: 38070643



BATTERY CONDITION INDICATOR WITH INTEGRATED LED

Designed for professionals and end-users, the BT 03 allows to check the state of charge of 12V Lead Acid batteries, with 3 integrated LED lights display diagnostic tool.

- For 12V Lead Acid batteries only.
- 3 LED indicators (green, orange, red) integrated directly into the eyelet connection.
- Extra slim.

HOW TO EXPAND YOUR BATTERY'S LIFESPAN?

1. REGULARLY CHECK THE CONDITION OF YOUR BATTERY

- Ensure connections are tight, with no loose or damaged wires.
- Clean the terminals to prevent corrosion and ensure a good electrical connection.
- Measure the voltage with a voltmeter. A healthy battery should indicate a voltage around 12.6 volts or more.

2. FIND THE RIGHT CHARGER

- Ensure your charger is compatible with the battery technology (lead-acid or lithium).
- Beware of cheap chargers that can damage the battery! Choose a charging current (A) suitable for the battery type and capacity.
- For daily use: a minimum current of 1A a slow and safe charge.

3. AVOID DEEP DISCHARGES AND OVERVOLTAGES

- Avoid complete discharges, as this reduces the battery's capacity and lifespan! Try to keep the charge above 50%.
- For lithium batteries, check the regulator and maximum voltage of the motorcycle before installation! The voltage supplied by the motorcycle or charger should never exceed 15V.

ACCESSORIES FOR CHARGER



PA 01

EYELET CONNECTOR TO SAE PLUG

This connection is the ideal solution if your battery is difficult to access, hidden or if you cannot use clamps. Just connect the eyelet terminals to the battery and charge normally. This accessory is compatible with all BS BATTERY chargers.

- › For all 12V vehicles and motorcycles batteries.
- › M6 eyelets terminals.
- › 3A Fuse.
- › Wire 61 cm (18AWG).
- › Safe & easy to connect.



PA 01 - 1 PC

BS Code: 700513

PE Code: 38070745



PA 01 - JAR (20 pcs)

BS Code: 700573

PE Code: 38070744

PA 02

BS Code: 700585

PE Code: On request

MV AGUSTA CONNECTOR TO SAE PLUG

Converts the battery charging connector (SAE) to the MV Agusta wiring harness plug (from 2010).

This accessory is compatible with all BS BATTERY chargers.

- › Wire 61 cm (18AWG).
- › Safe & easy to connect.

NEW

CL 02

BS Code: 700535

PE Code: On request

BS CLAMPS TO SAE PLUG



GLOSSARY

AGM - ABSORBENT GLASS MAT

A separator technology used in sealed lead-acid batteries in which the glass-mat separator absorbs 100% of the electrolyte. Thanks to the immobilized electrolyte, an AGM battery will not leak or spill and does not require water addition.

ACID

Acid is sulphuric acid, used to describe the electrolyte or liquid contained in a battery's cells.

AMPERE - A or Amps

Unit of measurement for electric current.

AMPERE-HOUR - Ah or Amp Hr

The unit of measure to indicate the battery's capacity, obtained by multiplying the current in amps by the time in hours of discharge. Example for a battery delivering 1 Amp for 20 hours = 1 amp x 20 hours = 20 Ah.

CAPACITY

The ability to the ability of a fully charged battery to deliver a specified quantity of electricity (Ah) at a given rate (A) over a definite period of time (Hr). Example: a battery with 20Ah as capacity can deliver 5 Amp for 4 hours.

CCA - COLD CRANKING AMPS

A rating that is used to define the battery's ability to start an engine under low-temperature conditions (-18°C).

GAS RECOMBINATION

Recombination in a VRLA battery is the process in which hydrogen and oxygen gas, formed when charging, are recombined to liquid water. Gas recombination, thanks to the valve mechanism, allows lead batteries to be sealed (without water loss).





MF

Maintenance Free battery.

POLARITY

The particular state of a battery terminal, either positive (+) or negative (-). The positive battery terminal cap or positive charging cable are always red. The negative battery terminal cap or negative charging cable are always black.

SLA

Sealed Lead Acid battery.

SULFATION

The formation or deposit of lead sulfate on the lead plates surface of the batteries. If the sulfation become excessive, the battery won't operate efficiently and may not work at all.

TERMINALS

Electrical connection from the battery to the external circuit. Each terminal is connected to either the first (positive) or last strap (negative) in the series connection of cells in a battery.

VRLA

Valve Regulated Lead-Acid battery.

WATT HOUR - Wh

Unit of electrical energy equivalent to a power consumption of one watt for one hour. Multiplying a battery voltage (V) by the rated capacity (Ah) gives the battery energy in Wh. Example for a Lithium battery $12V \cdot 4Ah = 12V \times 4Ah = 48Wh$.



DEALER SUPPORT TRAINING PROGRAM

TRAINING PROGRAM

Training plays a vital role in our business success, that's why we developed **BS BATTERY ACADEMY**: a comprehensive training program to enhance technical skills and make a significant difference to our partners' growth and profitability.



- › SALES & TECHNICAL TRAININGS
- › FOR DISTRIBUTORS OR DEALERS
- › 100% CUSTOMIZED PROGRAMS
- › IN-PERSON OR ONLINE
- › LED BY DEDICATED EXPERTS



For more details, please contact your BS BATTERY Team.

DEALER SUPPORT

RACING PROGRAM

RACING PROGRAM

Engaging our partners through our shared passion for racing is an opportunity to immerse them in the world of speed, precision, and excellence while reflecting our commitment to delivering top-notch products and services.



- › VIP HOSPITALITY
- › PADDOCK ACCESS
- › PILOTS & TEAMS MEETING
- › FOR TOP SALES REPS, TOP DEALERS
- › BUSINESS ACTIVATION:
INCENTIVES
SALES CHALLENGES
CONTESTS

From FIM MotoGP to World Superbike and MXGP, we offer immersive racing experiences that create unforgettable moments, leaving a lasting impact on our partners long after the event.



DEALER SUPPORT

ONLINE TOOLS

BATTERY FINDER

Our 24/7 BATTERY FINDER app is available on our website.
Scan the QR code to find the perfect power solution.

Find the right battery in seconds for your:



Moto



Scooter



ATV/UTV/SSV



Watercraft



Snowmobile



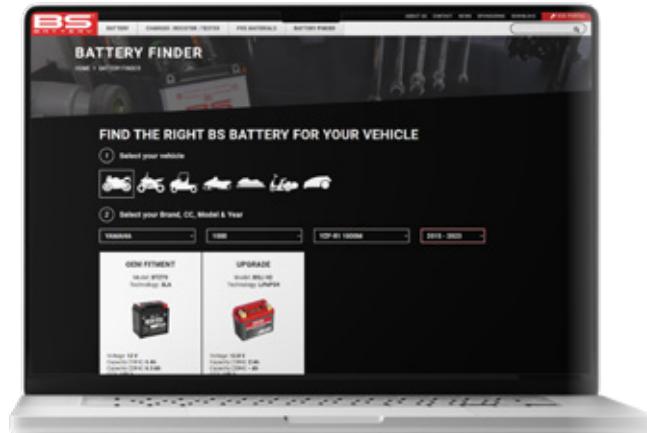
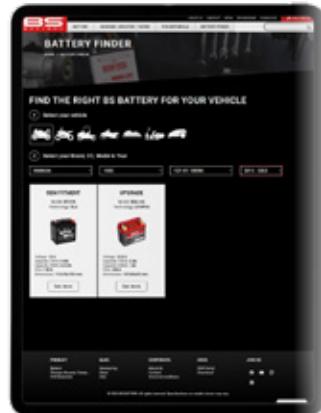
Lawnmower



Robot



SCAN HERE



DEALER SUPPORT

ONLINE TOOLS

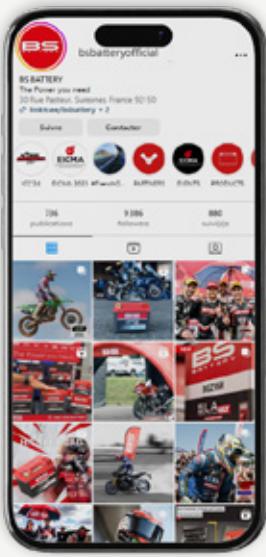
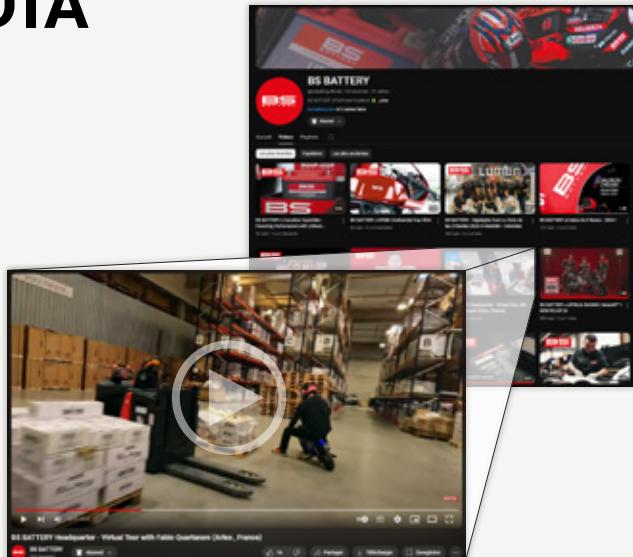
SOCIAL MEDIA

 @bsbatteryofficial

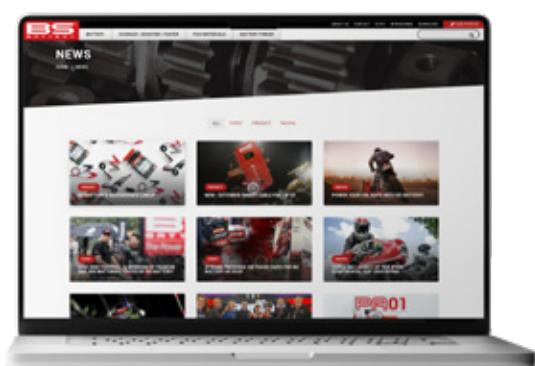
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 @bsbattery

 @bs-battery

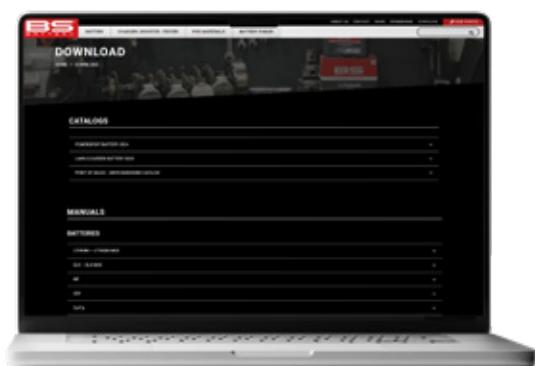


FOLLOW US!



NEWS

Read all our latest news about products, racing, events:
go on bs-battery.com -> "NEWS"



DOWNLOAD AREA

Looking for technical information (catalog, datasheets, manuals)
about BS BATTERY products?
Go on bs-battery.com -> "DOWNLOAD"

CHARGING STATION



1

BATTERY DISPLAY

BS Code: 900075
PE Code: 99030656

This display allows the promotion of batteries, chargers, testers and booster.

Height: 1 740 mm
Width: 610 mm
Depth: 350 mm



2

SMART CHARGER BK 20

BS Code: 700547
PE Code: 38070588

Charges and maintains 3 batteries with different voltages and technologies at once.

Page 33



3

BK 20 FIXING ACCESSORY

BS Code: 700548
PE Code: 99030690

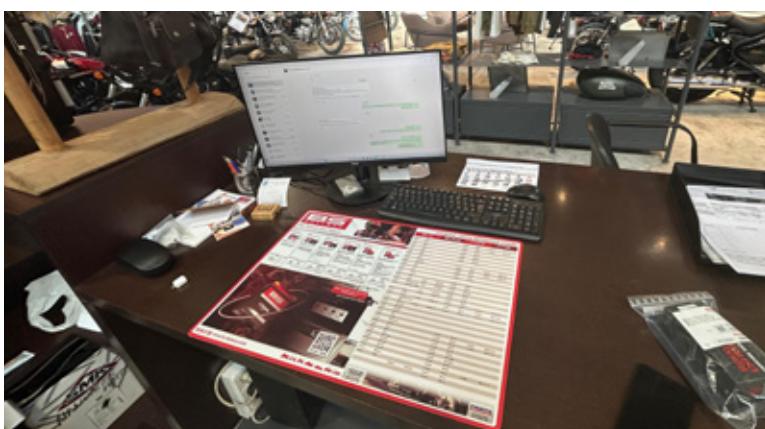
This accessory allows you to mount up to two BK 20 chargers on our battery display.



DEALER SUPPORT

SHOP & WORKSHOP

POINT OF SALES MATERIALS

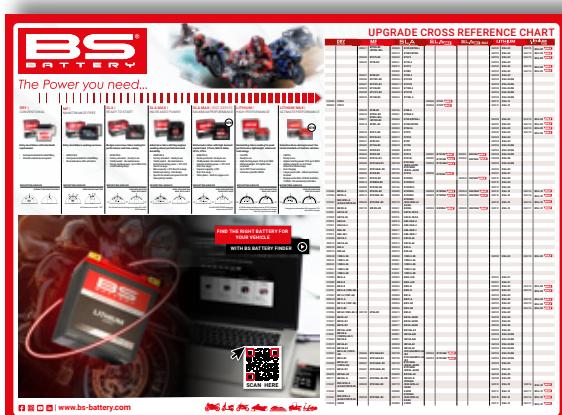


COUNTERMAT

BS Code: 900154

PE Code: On request

Dealer hands-on support with upgrade cross reference chart, battery range overview, and quick access to our fitment list (battery finder). Scratch-resistant matte laminate counter mat, non-skid rubber backing. For any interest, please contact your BS BATTERY Team. Dimensions suggested: 400 x 550 mm (16x22" in) 1.5mm Thick (~1/16")



PEN (25pcs)

BS Code: 900053

PE Code: On request

Metal pen elegant with chrome accents, a rubber soft finish for touchscreens.



STICKER BS OFFICIAL DEALER (10pcs)

BS Code: 900101

PE Code: On request

Red sticker with BS BATTERY logo and official dealer. Dimensions: 70 x 130 mm



WELCOME CARPET

BS Code: 900108

PE Code: On request

Entrance carpet - oil and water resistant, non-slip backing, 100% polyamide, thickness to fit under any door.

Dimensions: 600 x 950 mm



DEALER SUPPORT

CLOTHES

T-SHIRT FACTORY - BLACK

BS Code: 900122 to 900126

PE Code: On request

100 % Ringspun cotton 220 gr.

Size: S to XXL



T-SHIRT FACTORY - WHITE

BS Code: 900148 to 900152

PE Code: On request

100 % Ringspun cotton 220 gr.

Size: S to XXL



BODYWARMER

BS Code: 900133 to 900137

PE Code: On request

Bodywarmer jacket with zipper. Zipped pockets on the front.

Collar with a soft finish.

Produced by Kenny.

Size: S to XXL



SOFTSHELL

BS Code: 900110 to 900114

PE Code: On request

Waterproof and windproof with membrane and inner fleece.

Elasticized lower body tightening. Wrist strap with velcro.closure

Produced by Kenny.

Size: S to XXL



DEALER SUPPORT

ACCESSORIES



SWEATSHIRT FACTORY - BLACK

BS Code: 900116 to 900120

PE Code: On request

Premium cotton / polyester blend 300 gr.

Produced by Kenny.

Size: S to XXL



NECK WARMER (10pcs)

BS Code: 900132

PE Code: On request

Neck warmers offer style and protection against the cold. It can be worn in multiple ways.

Dimensions: 500 x 260 mm



CAPS (5pcs)

BS Code: 900106

PE Code: On request

Cap with eyelets and adjustments (plastic plaw). Produced by KENNY. Adult size.



KEYRING (10pcs)

BS Code: 900107

PE Code: On request

Elastic band with a hook, perfect for hanging keys.

Dimensions: 425 x 40 mm



DEALER SUPPORT

EVENTS



PADDOCK CARPET

BS Code: 900109

PE Code: On request

This carpet prevents fuel and lubricant spills when maintenance and repairs are carried out. FIM compliant, washable easily, non-slip backing, 100% polyamide ($\pm 2\,500\text{ g/m}^2$).

Dimensions: 950 x 2 200 mm



WINDFLAG

BS Code: 900139

PE Code: On request

Light and easy to carry

Ideal for shops, events, fairs...

Dimensions: 290 cm



Scan to see our full collection

DEALER SUPPORT

EVENTS



TENT

BS Code: 900156

PE Code: On request

Easy to set up not inflatable,
ideal for racing events and exhibitions.

For any interest, please contact your BS BATTERY Team.

Dimensions suggested: 3 x 3 m



INFLATED TENT

BS Code: 900155

PE Code: On request

Durable and easy to set up inflatable tent,
ideal for outdoor events and exhibitions.

For any interest, please contact your BS BATTERY Team.



THE POWER YOU
NEED

