



ACADEMY

TECHNICAL TRAINING  
SHORT VERSION



SHORT VERSION  
TRAINING



# COMPANY PROFILE



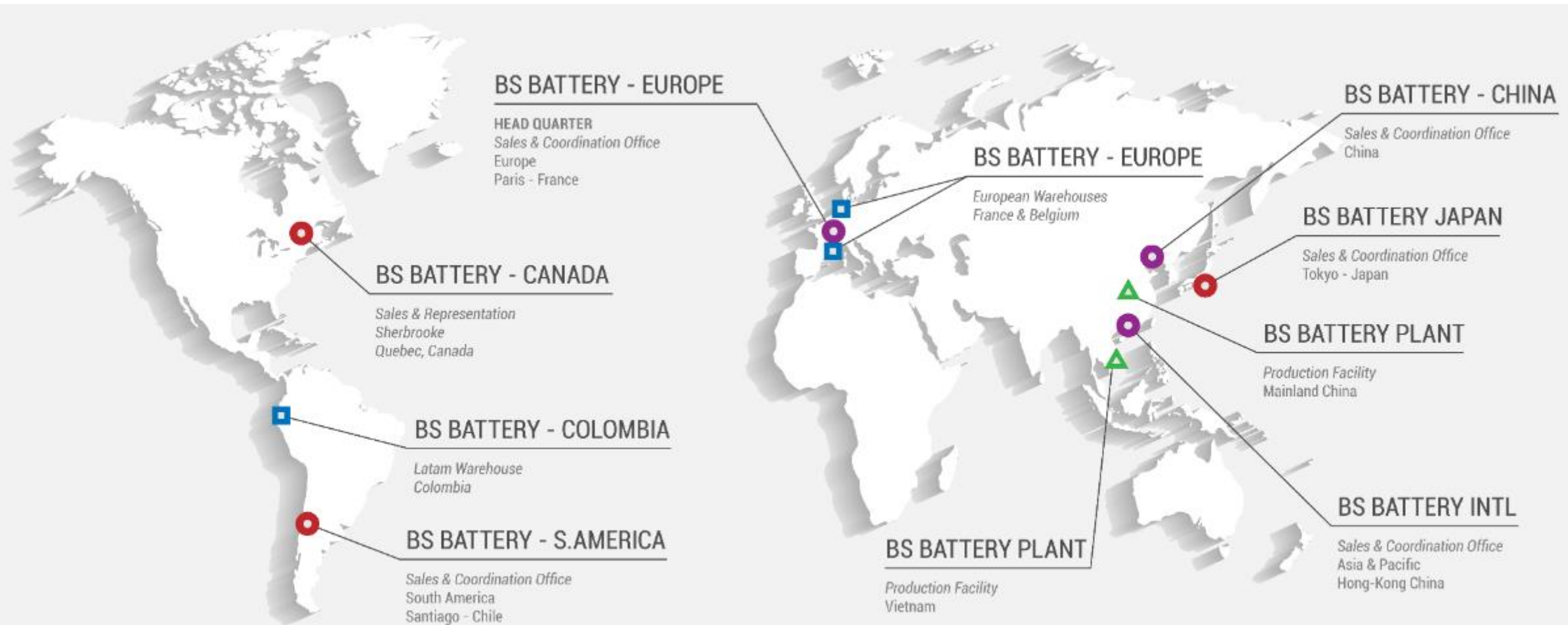


# ABOUT US



- > **2008** BS Battery creation
- > **Headoffice** based in Paris
- > More than **70** countries
- > **6** Sales & Coordination Offices
- > **2** production facilities
- > Over **400** powersports battery solutions
- > **OEM** and **OES** Official Supplier
- > **Tested & Approved** per Official **Racing Teams**

# WORLDWIDE PRESENCE



BS Battery brand and products are distributed throughout 70 countries, making BS Battery a reliable partner of most of the major distribution players and vehicle manufacturers.

# CERTIFICATIONS



Developed according to the most innovative production processes and engineered under stringent quality control, BS Battery facilities comply with the highest international standards, and are certified ISO 9001, ISO 14001 and ISO/TS 16949.







# POWERSPORT BATTERY SOLUTIONS



# BATTERY'S EVOLUTION...

Before  
1970

1970

1990

2021

New technology : **VALVE REGULATED LEAD ACID (VRLA)**  
which absorbs the acid in the battery, providing high cyclic stability.  
This allows the battery to be charged and discharged several times  
without losing performance.

Emergence of  
**LITHIUM batteries** for  
motorcycle market

European decree  
prohibiting **handling of  
acid**

## BATTERY WITH LEAD ACID

BATTERY

ACID  
PACK



Acid handling = Many times

- " DRY"
- "Lead /acid battery"
- "Conventional Battery"

## WATERPROOF BATTERY (VRLA) TO ACTIVATE

BATTERY

ACID  
PACK



Acid handling = 1 time only

- Batteries AGM MF Maintenance Free
- Batteries Gel Maintenance Free

## SEALED BATTERY (VRLA) READY TO USE

SEALED  
LEAD  
ACID  
BATTERY



No Maintenance

- AGM Factory activated
- Gel Factory activated
- Activated
- SLA = Sealed Lead Acid



## LITHIUM BATTERY

LITHIUM  
BATTERY



No Maintenance

- Batteries Lithium
- Lion



# BS BATTERY – Battery Range Overview

**plug  
and  
play**

## LITHIUM

LiFePO4



*Designed for the most demanding riders*

## SLA

FACTORY ACTIVATED



AGM

*Making the rider's life easier*

## SLA<sup>MAX</sup>

FACTORY ACTIVATED



AGM

*Maximal performance for big engine bikes*

F  
A  
C  
T  
O  
R  
Y  
A  
C  
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I  
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E  
D

## MF BATTERY



AGM

*Reliability*

## DRY BATTERY



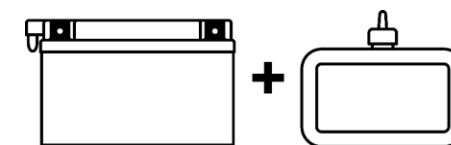
*Conventional*

A  
P  
P  
L  
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C  
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N  
S



# DRY BATTERY

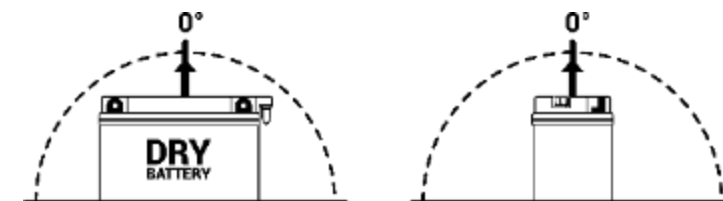
ORIGINAL EQUIPMENT  
**OEM**  
MANUFACTURER



## FEATURES & TECHNOLOGY

- HAS TO BE CHECKED PERIODICALLY, REFILLED WITH WATER IF NECESSARY
- ACID PACK INCLUDED FOR INITIAL FILLING
- UPRIGHT INSTALLATION ONLY
- HANDLE WITH CARE TO PREVENT ACID SPILLAGE
- REGULAR LIFE DURATION
- LONG SHELF LIFE, NO NEED TO BE RECHARGED WHILE STOCKED
- INTERNAL GAS EMISSION THROUGH VENTING HOLE
- WIDE VARIETY OF 6V & 12V MODELS

## MOUNTING ANGLES



Upright installation only



# MF (Maintenance Free) - Reliability



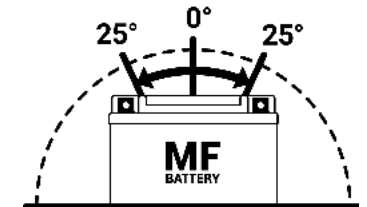
## FEATURES & TECHNOLOGY

- **MAINTENANCE FREE**, NO WATER REFILING
- **ACIDE PACK INCLUDED** (initial filling)
- **100% SEALED** AFTER FILING
- **UPRIGHT INSTALLATION**
- **EXTENDED CYCLE LIFE**
- **LONG SHELF LIFE**
- **SUITABLE FOR COLD WEATHER**
- **PLATE SULFATION REDUCTION**
- **LONGER VOLTAGE HOLD**

**MF**  
BATTERY

ORIGINAL EQUIPMENT  
**OEM**  
MANUFACTURER

**AGM**



**MEDIUM INCLINAISON**

# SLA (Sealed Lead Acid) - Making the rider's life easier



**SLA**  
FACTORY ACTIVATED

ORIGINAL EQUIPMENT  
**OEM**  
MANUFACTURER

**AGM**

## FEATURES & TECHNOLOGY

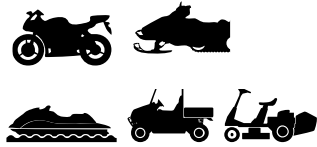
- **FACTORY ACTIVATED - READY TO USE**
- **100% MAINTENANCE FREE**
- **NO ACIDE HANDLING, 100% SAFE**
- **EASY TO SHIP & CARRY**
- **SPILLPROOF DESIGN, TOTALLY SEALED**
- **INCREASE POWER & EXTENDED CYCLE LIFE**
- **LOW DISCHARGE RATE**
- **SUITABLE FOR E-COMMERCE**



**HIGH INCLINAISON**



# SLA MAX - Maximal performance for big engines



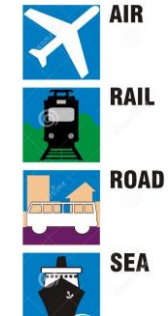
FOR POLARIS  
& INDIAN



FOR HARLEY DAVIDSON



FOR BMW



**SLA MAX**  
FACTORY ACTIVATED

ORIGINAL EQUIPMENT  
**OEM**  
MANUFACTURER

**AGM**



HIGH INCLINAISON

## FEATURES & TECHNOLOGY

- FACTORY ACTIVATED - **READY TO USE**
- 100% **MAINTENANCE FREE**
- **NO ACIDE** HANDLING, 100% SAFE
- **SPILLPROOF DESIGN**, TOTALLY SEALED
- **LOW DISCHARGE RATE**
- SUITABLE FOR **E-COMMERCE**
- **SUPERIOR CAPACITY**
- **EXTREME VIBRATION RESISTANCE**
- **HD SPACERS** INCLUDED
- **INCREASED POWER & EXTENDED CYCLE LIFE**
- **EASY TO SHIP & CARRY**

# SLA MAX – Focus on Harley Davidson



AGM



Terminal specifically designed to facilitate the mounting on Harley Davidson motorcycles



Battery case with a grid framework for a maximum vibration resistance



BTX20HL and BIX30HL Harley Davidson specific terminals



BTX14HL Harley Davidson specific terminals

# LITHIUM - Designed for the most demanding riders

plug  
and  
play



State of charge



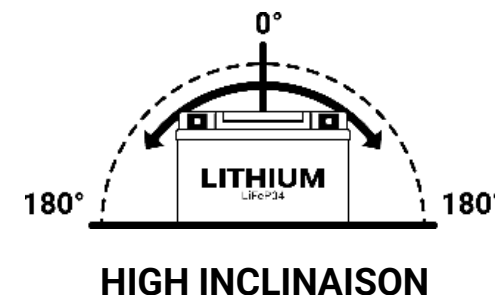
**LITHIUM**  
LiFePO4

ORIGINAL EQUIPMENT  
**OEM**  
MANUFACTURER

TESTED & APPROVED  
BY OFFICIAL RACING  
TEAMS

## FEATURES & TECHNOLOGY

- FACTORY ACTIVATED - **READY TO USE**
- **70% LIGHTER** THAN LEAD ACID BATTERIES
- **OVER 2 000 CYCLES** LIFE
- **SUPER FAST CHARGING** CAPABILITIES
- **VERY LOW SELF-DISCHARGE**
- **IMPRESSIVE COLD CRANKING PERFORMANCE**
- **HEAT TEMPERATURE RESISTANCE UP TO 230°C**
- **ROBUST BRASS TERMINALS**
- **WATERPROOF DESIGN**
- **SUITABLE FOR E-COMMERCE**



**BS**  
BATTERY  
ACADEMY



# SLA RANGE - THE SOLUTION !

SLA range covers  
95% of MF &  
DRY references

**MF**  
BATTERY



**NEW**  
TECHNOLOGY



**SLA**  
FACTORY ACTIVATED

**DRY**  
BATTERY



**NEW**  
TECHNOLOGY



**SLA**  
FACTORY ACTIVATED

# COMPARATIVE FEATURES

|                                  | Lithium LiFePO4 | SLA / SLA Max | MF | DRY |
|----------------------------------|-----------------|---------------|----|-----|
| READY TO USE                     | ✓               | ✓             | -  | -   |
| NO ACID HANDLING                 | ✓               | ✓             | -  | -   |
| NON SPILLABLE                    | ✓               | ✓             | -  | -   |
| FACTORY ACTIVATED                | ✓               | ✓             | -  | -   |
| MULTIPOSITIONNAL FITMENT         | ✓               | ✓             | -  | -   |
| EASY TO CARRY                    | ✓               | ✓             | -  | -   |
| EASY TO SHIP                     | ✓               | ✓             | -  | -   |
| MAINTENANCE FREE                 | ✓               | ✓             | ✓  | -   |
| NO SELF DISCHARGE DURING STORAGE | -               | -             | ✓  | ✓   |

# COMPARATIVE FEATURES

|              | LITHIUM LiFePO4 BATTERIES | SLA MAX & SLA BATTERIES | MAINTENANCE FREE BATTERIES | CONVENTIONAL/DRY BATTERIES |
|--------------|---------------------------|-------------------------|----------------------------|----------------------------|
| ROAD FREIGHT |                           |                         | *                          | *                          |
| AIRFREIGHT   | -                         |                         | -<br>WITH ACID PACK        | -<br>WITH ACID PACK        |
| SEA FREIGHT  |                           |                         | *                          | *                          |
|              | SUITABLE FOR E-COMMERCE   |                         | * UNDER CERTAIN CONDITIONS |                            |















## SMART CHARGERS -MAINTAINERS & POWERFULL BOOSTER



# SMART CHARGERS & MAINTAINER - OUR RANGE

|                              |    |   |    |    |    |
|------------------------------|---|--|---|---|---|
|                              | <i><b>BS 10</b></i>   | <i><b>BS 15</b></i>  | <i><b>BS 30</b></i>   | <i><b>BS 60</b></i>   | <i><b>BK 20</b></i>   |
| CHARGE MODE                  | 6v & 12v  | 12v  | 12v   | 12v   | 6v & 12v  |
| CHARGING CURRENT             | 1A  | 1.5A   | 3A  | 1A - 4A - 6A  | 3x 2A   |
| BATTERY COMPATIBILITY        | LEAD ACID & LITHIUM   | LEAD ACID  | LEAD ACID & LITHIUM   | LEAD ACID   | LEAD ACID & LITHIUM   |
| STAGES                       | 9 STAGES  | 8 STAGES   | 9 STAGES  | 9 STAGES  | 10 STAGES   |
| BATTERY SIZE                 | UP TO 20Ah  | UP TO 30Ah   | UP TO 60Ah  | UP TO 120Ah   | UP TO 40Ah  |
| BATTERY SIZE FOR MAINTENANCE | UP TO 40Ah  | UP TO 60Ah   | UP TO 120Ah   | UP TO 180Ah   | UP TO 80Ah  |
| RECONDITIONING FUNCTION      | NO  | YES  | NO  | YES   | YES   |
| FIXATION                     | NO  | MULTIAXIS HOOK   | MULTIAXIS HOOK  | NO  | DISPLAY PARTS (OPTION)  |
| SUITABLE FOR                 |  |  |  |  |  |



# SMART CHARGERS & MAINTAINER (Lead Acid + Lithium)

## BS 10

- 6V & 12V
- 1A
- 20Ah / 40Ah



CHARGER DISPLAY

## BS 30

- 12V
- 1A – 4A – 6A
- 30Ah / 60Ah



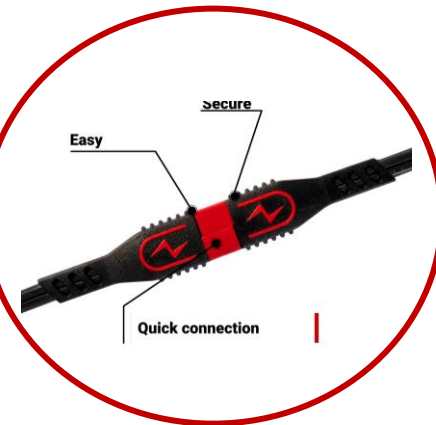
SUITABLE FOR



ADAPTABLE CHARGING  
ALGORITHM FOR  
**LEAD ACID  
& LITHIUM**

**9 STAGES  
OF CHARGES**  
TO ENHANCE  
PERFORMANCE

DELIVERED WITH  
**BS CLAMPS SET &  
FUSED RING  
TERMINAL SET**



**SHORT CIRCUIT &  
INTERNAL OVERHEAT  
PROTECTION**

CONNECTION  
**SPARK FREE &  
REVERSE POLARITY**

# SMART CHARGERS & MAINTAINER (Lead Acid + Lithium)

## BK 20

- RECONDITIONING FUNCTION
- 6V & 12V
- 3 x 2A
- 40Ah / 80Ah



SUITABLE FOR



**3 BATTERIES  
AT ONCE**  
(different voltage  
& techno)

**10 STAGES  
OF CHARGES**  
TO ENHANCE  
PERFORMANCE

**FORCE MODE  
ON "DEAD"  
BATTERIES**

**SMALL CHARGING  
STATION FOR WORKSHOPS**



**DISPLAY, CHARGE & MAINTAIN  
x6 BATTERIES AT ONCE**

B2B

B2B



# SMART CHARGERS & MAINTAINER (Lead Acid)

## BS 15

- 12V
- 4 -> 30 Ah
- 1.5 A
- 8 STAGES OF CHARGE
- RECONDITIONNING FUNCTION



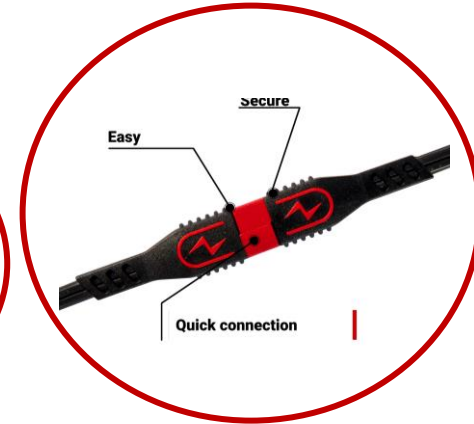
CHARGER DISPLAY

## BS 60

- 12V
- 3 - >120 Ah
- 1A ; 4A ; 6A
- 9 STAGES OF CHARGE
- RECONDITIONNING FUNCTION



ADAPTABLE CHARGING  
ALGORITHM FOR  
**LEAD ACID**  
only



ADAPTABLE CHARGING  
ALGORITHM FOR  
**LEAD ACID**

**SHORT CIRCUIT &  
INTERNAL OVERHEAT  
PROTECTION**

DELIVERED WITH  
**BS CLAMPS SET &  
FUSED RING  
TERMINAL SET**

CONNECTION  
**SPARK FREE &  
REVERSE POLARITY**

SUITABLE FOR



# BOOSTER



**SAFE LITHIUM BOOSTER**

**COMPACT & POWERFUL**



**POWER SUPPLY  
FOR ALL USB DEVICES**

**USB DEVICES**



**LED  
FLASHLIGHT**

**3 MODES**

**200 A  
–  
400 A  
Peak Performance**

**UP TO 20 JUMP  
STARTS WITH 1  
CHARGE**

**SMART CABLE WITH  
SPARK-PROOF  
CONNECTION**

**REVERS POLARITY  
PROTECTION**

**GAS  
UP TO 5,0L  
& DIESEL  
UP TO 2,5L**

**!! NEW VERSION MORE POWERFULL IS COMING SOON...**

## BST1000

NEW



**BST 1000 –  
Lead acid &  
Lithium battery  
tester**

## BT03

NEW



**BT 03 –  
Battery  
Condition  
Indicator with  
LED integrated**

## BT02



**BT 02 –  
Battery &  
Alternator  
tester**

## BST1000

**NEW**



**SUITABLE FOR**



- DESIGNED FOR **PROFESSIONNALS**
- GET A **COMPLETE TESTING PROGRAM** OF YOUR **BATTERY'S LIFESPAN**

**12 V**  
**(Vehicles & Moto.)**

**LEAD ACID & LITHIUM**  
**BATTERY TESTER**

**SHORT CIRCUIT &**  
**POLARITY REVERSE**  
**CONNECTION**  
**PROTECTIONS**



**VOLTAGE**  
**TEST**



**CRANKING**  
**TEST**



**ALTERNATOR**  
**TEST**



**RESISTANCE**  
**TEST**



**SAFE**



**MULTI**  
**LANGUAGE**



**PRINTING**



**DATA**  
**STORAGE**

*English, German, Spanish,  
French, Dutch, Italian*



## BT03

**NEW**



**SUITABLE FOR**



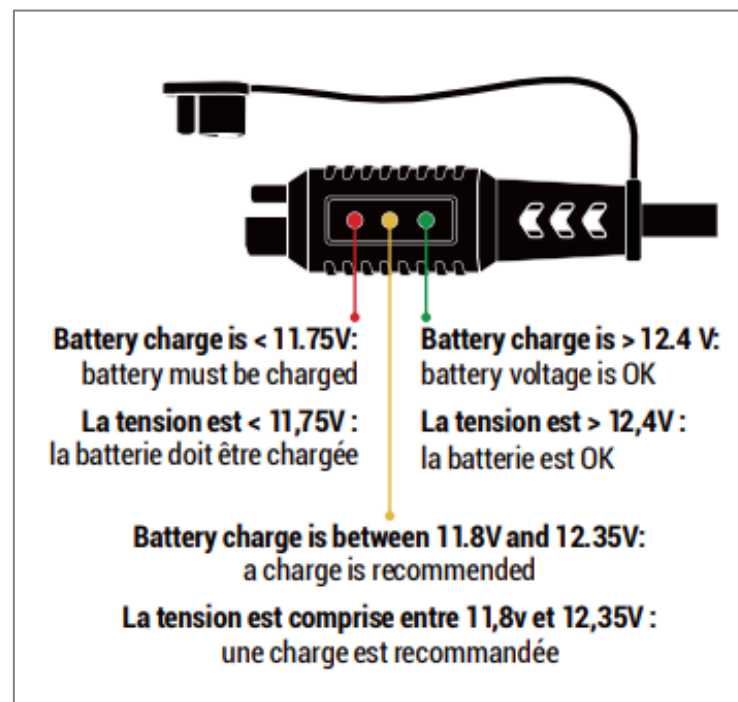
- DESIGNED FOR **PROFESSIONNALS & END-USERS**
- **TEST, CHARGE & MAINTAIN** BATTERIES **WITHOUT DISCONNECTING** THE FUSED RING

**12 V**  
**EXTRA SLIM**

**LEAD ACID**  
**BATTERY**  
**ONLY**

**EYELET CONNECTION**  
**SET WITH**  
**3 INTEGRATED LED**  
**(GREEN, ORANGE, RED)**

**COMPATIBLE**  
**WITH ALL THE**  
**BS SMART**  
**CHARGERS**



## BT02

- DESIGNED FOR **PROFESSIONNALS & END-USERS**
- **TEST BATTERY & ALTERNATOR** CONDITION IN **FEW MINUTES**



SUITABLE FOR



12 V  
EXTRA SLIM

LEAD ACID  
BATTERY  
ONLY

DELIVERED WITH  
CROCODILE CLIP TO  
FACILITATE  
CONNECTION



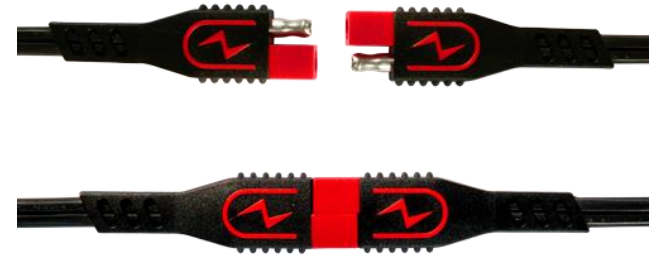
INSTANT  
DIAGNOSTIS



## PA 01

### Fused ring terminal leadset

Satisfies all the battery charging needs without any risks



## CL 02

### BS clamps

Isolated clamps - Safe for every use



## PA 03

### Cigar plug leadset

Allows to charge through the cigarette outlet





GOOD TO KNOW







### When can we speak of warranty?


1. When the battery is returned to the sales point within the proposed warranty period.
2. Short circuit in one or more elements if the battery is brand new.
3. Internal interruption or bad terminal connection.
4. Inversed polarity of a new battery.

### When is the warranty claim rejected?

- Excessive runout.
- Consequences of negligence or improper handling.
- Case or lid damage.
- Damaged terminals.
- Frozen batteries.
- Use of the battery in the wrong application/vehicle.
- Use of additives other than recommended.

**DRY WARRANTY EXPERT FORM**

## WARRANTY EXPERT FORM MF



ABOUT USCONTACTNEWSSPONSORINGDOWNLOAD








LOGIN

BATTERYCHARGER | BOOSTER | TESTERPOS MATERIALSBATTERY FINDER

# FIND THE RIGHT BS BATTERY FOR YOUR VEHICLE

1

Select your vehicle



2

Select your Brand, CC, Model & Year

Brand

CC

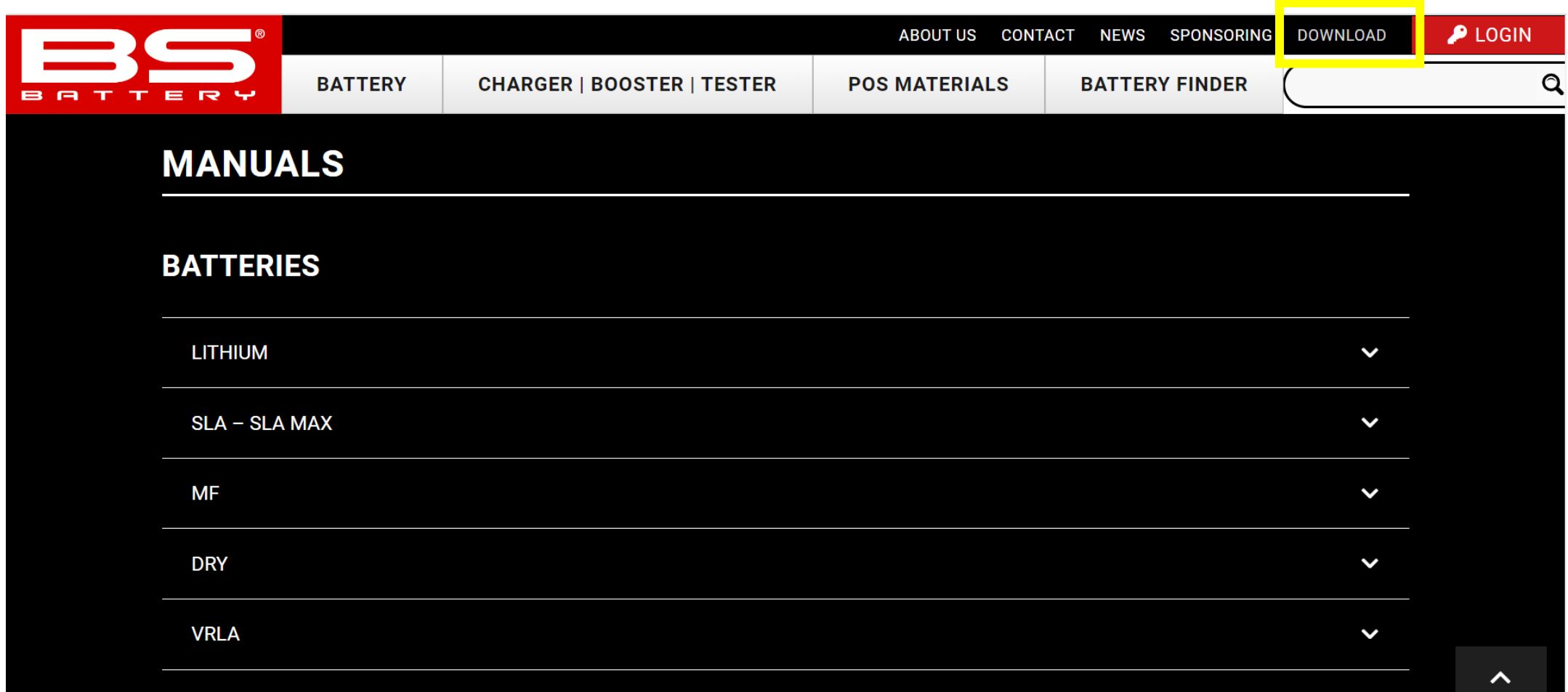
Model

Year

<https://bs-battery.com/battery-finder/>

## DOWNLOAD AREA

Catalogues, Manual, Data Sheets



The screenshot shows the BS BATTERY website's navigation bar. The 'DOWNLOAD' button is highlighted with a yellow box. Below the navigation bar, the 'MANUALS' section is visible, followed by a list of battery types: LITHIUM, SLA – SLA MAX, MF, DRY, and VRLA, each with a downward arrow indicating a dropdown menu.

**BS BATTERY**

ABOUT US CONTACT NEWS SPONSORING **DOWNLOAD** LOGIN

BATTERY CHARGER | BOOSTER | TESTER POS MATERIALS BATTERY FINDER

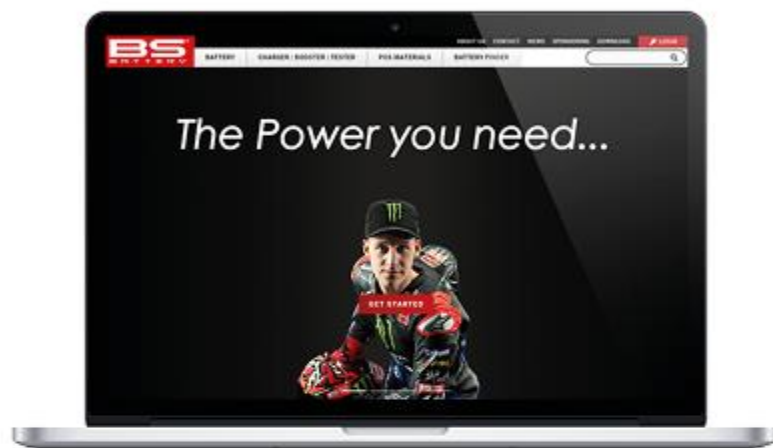
### MANUALS

### BATTERIES

- LITHIUM
- SLA – SLA MAX
- MF
- DRY
- VRLA

<https://bs-battery.com/download/>

# DISCOVER MORE ON



## WEBSITE

[www.bs-battery.com](http://www.bs-battery.com)

## CONTACT

**BS BATTERY** - Paris Headoffice (France)  
[sales@bs-battery.com](mailto:sales@bs-battery.com)



## SOCIAL MEDIAS

 [@bsbatteryofficial](https://www.instagram.com/bsbatteryofficial)

 [@bsbattery](https://www.facebook.com/bsbattery)

 [@bsbattery](https://www.youtube.com/bsbattery)

 [@bsbattery](https://www.linkedin.com/company/bsbattery)



# THANK YOU

FOR YOUR ATTENTION



ACADEMY

MERCI

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