

2012 Battery Chargers Program

AUTOMATIC

SMART

PRO-SMART

BSTM

CHARGER

www.bs-battery.com



* BS210 has the same body than BS160 but in 2/10/21 Amp - 12V.

Original picture from Yamaha Motor Corp. & Ford Motor Corp. before modification



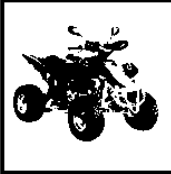
BSTM

www.bs-battery.com

SPECIFICATIONS

P/No.	BA 10	BS 20	BS 40	BS 80	BS 160	BS 210	BK 10
Type:	Automatic	Smart	Pro-Smart				Bank
Input Range:	100-240 Vac	100-240 Vac	100-240 Vac	100-240 Vac	100-240 Vac	100-240 Vac	100-240 Vac
Input Frequency:	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz	50/60 Hz
Output Power:	1A	2A	1/2/4A	2/4/8A	2/8/16A	2/10/21A	1A
Suitable for Charging:	6V&12V Battery	12V Battery	12V Battery	12V Battery	12V Battery	12V Battery	6V&12V Battery
Rejuvenation Mode	-	Yes	Yes	Yes	Yes	Yes	-
Equalization Mode	-	-	Yes	Yes	Yes	Yes	-
Battery Range (Ah):							
- Charging	2-40	4-80	2-140	4-250	4-340	4-450	2-40
- Maintaining	2-60	4-120	2-210	4-375	4-500	4-650	2-60
Size L*W*H (in mm)	100*65*36	140*65*42	164*85*55	190*92*55	230,8*132*76	230,8*132*76	401*151*73
Weight:	0,4Kg	0,45Kg	0,62Kg	0,86Kg	1,3Kg	1,3Kg	3,6Kg
Types of Batteries	Most Battery Types including GEL, AGM, WET CELL and CALCIUM						





BSTM
CHARGER
www.bs-battery.com

AUTOMATIC



BA10

SMART



BS20

PRO-SMART



BS40

1.

Motorcycle Charger Product Line

BSTM

www.bs-battery.com

BS CHARGER

Automatic Battery Charger Charge & Maintain



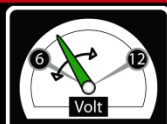
BA10



SECURE CHARGE
Seasonal Battery Maintenance



SPEED CHARGE
Rapid Charge Function



VOLTAGE SWITCH
Voltage Output Selection

BA10

AUTOMATIC

BATTERY CHARGERS

6V/12V - 1000mA Automatic Battery Charger Charger & Maintainer



SPECIFICATIONS	
PART NUMBER	BA 10
TYPE	Automatic
INPUT VOLTAGE RANGE	100-240Vac
INPUT FREQUENCY	50/60Hz
OUTPUT	1000mA at 6V or 12V
CHARGING OUTPUT CONTROL CHARACTERISTICS	
Battery Condition Check-->Bulk Charge-->Float Charge	
Charging Output Control for:	6V 12V
Bulk Charging Start when Battery Voltage is above:	4.4V 8.8V
APPROVALS	CE, UL/cUL, Mzs, As

“Ideal for all VRLA & Conventional type lead acid batteries as in vehicles, marine, utility appliance, home appliance, workshops, farm machinery, and other appliances”

FEATURES

Automatic Charge

Automatically stops charging when the battery is fully charged. No need to unplug, charger never overcharge the battery

Automatic Maintenance

When the battery is charged to "full" state, the charger automatically switches to maintain the battery. It will monitor the battery voltage and continue to peak performance to the battery

“Short circuit & Reverse polarity” Protection

Prevents from sparking due to the reverse connection or short circuit. The charger will automatically turn off to prevent any damage

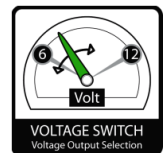
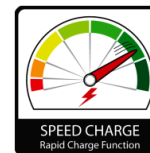
6V/12V Voltage Output Selection

BA10's Voltage Switch allows to charge different battery Types & Sizes with the same charger

Other Features

- Three level charge control
- Internal over heat protection
- Corrosion-resistant output connectors
- Output clips and ring terminals provided

L.E.D CHARGE INDICATION	
LED Status	Power Charging Full / Fault
A.C power connected, battery disconnected	Power
Bulk Charging	Power, Charging
Level 1 charging	Power, Charging
Level 2,3 charging	Power, Full
Battery reverse polarity protection	Power, Fault



Perfect for the Charging and Maintaining of the following applications:



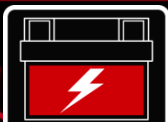
BS
CHARGER

BS CHARGER

*Smart
Charger & Maintainer
with
Reconditioning Function*



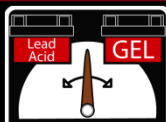
BS20



SECURE CHARGE
Seasonal Battery Maintenance



SPEED CHARGE
Rapid Charge Function



BATTERY SWITCH
Battery Type Selectable



SMART CHARGE
Battery Recondition

BS20

SMART

12V - 2000mA

Smart Battery Charger

Charger & Maintainer

with Reconditioning Function



MOTO MAGAZINE TEST REPORT(*):

Rejuvenation Efficiency:

→ Best Performance on the market

Only 3Hrs Full Charging Time:

→ Best Performance on the market

SPECIFICATIONS	
PART NUMBER	BS 20
TYPE	Smart
INPUT VOLTAGE RANGE	100-240Vac
INPUT FREQUENCY	50/60Hz
OUTPUT	2000mA at 12V
OUTPUT CONTROL CHARACTERISTICS	
Manual Rejuvenation:	High frequency charge for 24 hours
Soft Start: Low Battery Automatic Rejuvenation	When the Battery is between 3-9V
Bulk Charging Start:	Set current up to 9V
Absorption charging mode :	Output Voltage 14.4V
Maintenance charging mode:	Output Voltage 13.5V
APPROVALS	CE, UL/cUL, Mzs, As

BATTERY CHARGERS

FEATURES

* According to MOTO MAGAZINE n°272 November-2010

Multi Stage Charger:

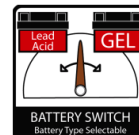
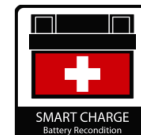
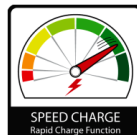
- 1) Manual Rejuvenation
- 2) Soft Start
- 3) Bulk Charging
- 4) Absorption Charging
- 5) Maintenance Charging

CHARGING

General Features:

- High frequency switching mode
- Full time pulse charge output
- Microprocessor controlled
- LEAD ACID / GEL Battery selectable
- Battery refresh function provided
- Ideal for charging during winter season
- Heavy-duty cables
- Corrosion-resistant output connectors
- Output short circuit, reverse polarity & overload protection
- Internal over heat protection
- Battery thermal run away protection

LED STATUS	L.E.D CHARGE INDICATION					
	POWER LED		RECOVERY LED		CHARGING LED	
	On	Error	On	Error	Charging	Full Charge
A.C power connected, battery not present	■	OFF	OFF	OFF	OFF	OFF
Bulk Charging & Absorption charging mode	■	OFF	OFF	OFF	FLASH	OFF
Maintenance charging mode + Rejuvenation	■	OFF	OFF	OFF	OFF	■
Manual Rejuvenation & Low Battery Automatic Rejuvenation	■	OFF	FLA SH	OFF	OFF	OFF
Manual selected Rejuvenation timed- out, Rejuvenation fail	■	OFF	OFF	■	OFF	OFF
Output reserve polarity or short circuit	OFF	FLASH	OFF	OFF	OFF	OFF



Perfect for Charging and Maintaining the following applications:



BSTM
CHARGER

BS CHARGER

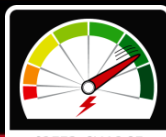
Pro-Smart Battery Charger 12V 7 Stage Switchmode



BS40



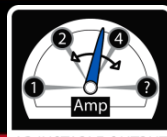
SECURE CHARGE
Seasonal Battery Maintenance



SPEED CHARGE
Rapid Charge Function



SMART CHARGE
Battery Recondition



ADJUSTABLE OUTPUT
Manual Battery Size Selection



EQUALISATION
Automatic for Calcium Battery

BS40

PRO-SMART

BATTERY CHARGERS

12V - 1/2/4A

Pro-Smart Battery Charger

7 Stage - Automatic Switchmode



« Ideal for charging small batteries (Motorcycle, Jet Ski, Lawn Mower) & small passenger vehicles.»

SPECIFICATIONS	
TYPE	Pro-Smart / 7 Stage
PART NUMBER	BS 40
INPUT VOLTAGE RANGE	100-240VAC
INPUT FREQUENCY	50/60Hz
OUTPUT	1A,2A,4A at 12V
APPROVALS	CE, UL/cUL, Mzs, As
TYPE OF BATTERIES	GEL, AGM, WET CELL & CALCIUM

Special Technical Features:

- **ADJUSTABLE OUTPUT:** Suits different battery Sizes (1A, 2A, 4A)
- **ADJUSTABLE BATTERY TYPES:** Suits different battery Types (Calcium, AGM, WET, GEL)
- **REJUVENATION MODE:** Revitalizes Tired Batteries
- **EQUALIZATION MODE:** Balance the battery internal Cells (Automatic for Calcium Batteries)

FEATURES

Multi Stage Charger:

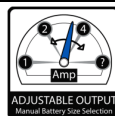
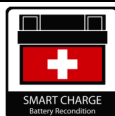
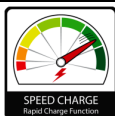
- 1) Rejuvenation
- 2) Soft Start Charging
- 3) Bulk Charging
- 4) Absorption Charging
- 5) Equalization
- 6) Battery Test
- 7) Float Mode

CHARGING

General Features:

- High frequency switching mode
- Fully Automatic & Spark Free
- Microprocessor controlled
- Charging time Management
- Output reverse polarity protection
- Output short circuit protection
- Output overload protection
- Internal over-heat protection
- Corrosion-resistant output connectors

L.E.D CHARGE INDICATION				
LED Status	■ Charging	■ Full Charge	■ Rejuvenation	■ Error
A.C power connected, battery disconnected	-	-	-	-
Manual Rejuvenation charging	-	-	FLASH	-
Soft Start charging	FLASH	-	-	-
Bulk charging	■	-	-	-
Absorption charging	■	-	-	-
Equalization charging	■	-	-	-
Analysis mode	-	■	-	-
Float charging with Battery analyze is over 12,5V	-	■	-	-
Float charging with Battery analyze is below 12,5V	-	FLASH	-	-
Output Clip shorted or battery Reserve	-	-	-	■
Battery Condition check, Battery is defective	-	-	-	FLASH
Soft Start charging 6 hours timed-out	FLASH	-	-	FLASH
Bulk Charging 24 Hours timed-out	■	-	-	FLASH
Charger over-temperature protected	-	-	-	FLASH



Perfect for Charging and Maintaining the following applications:



BS CHARGER

NEW RELEASE

BS™
CHARGER

BK10



**" IDEAL FOR WORKSHOPS AND WAREHOUSES,
DEDICATED TO ALL 12V LEAD ACID BATTERIES "**

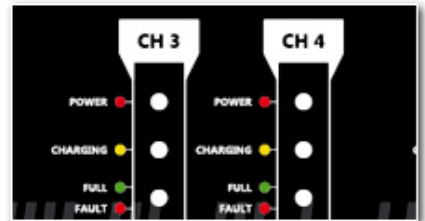
10 Channels Bank-Charger & Maintainer

10 plugs providing 1 amp each are available for charging and maintaining batteries.
Internal over-heat protection provides a safe use.



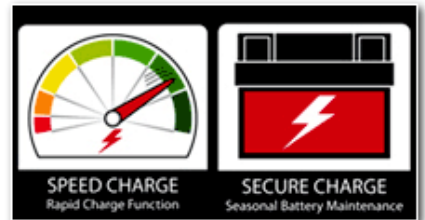
Automatic Charge & Maintenance

When the battery is fully charged, the charger automatically switches to maintain the battery. No need to unplug charger, it never overcharges the battery.



Speed & Secure Charge

Allows to charge and to maintain 10 batteries at the same time. Short-circuit and Reverse polarity protection prevents from sparking turning off the charger automatically to prevent any damage.



10 CHANNELS BANK CHARGER



12V – 10 X 1000mA
10 Channels Bank
 Charger & Maintainer

NEW RELEASE



“Ideal for Workshops, Dedicated to all 12V Lead Acid Batteries”

SPECIFICATIONS	
PART NUMBER	BK 10
TYPE	Automatic Charger & Maintainer
INPUT VOLTAGE RANGE	100-240Vac
INPUT FREQUENCY	50/60Hz
OUTPUT	10 plugs - 1000mA at 12V
BATTERY RANGE	From 2Ah to 20Ah
Physical Parameters	
<u>Operating Temperature:</u> 0 to 40°C	<u>Dimension (L*W*H):</u> 401*151*73 mm
<u>Storage Temperature:</u> -25 to 85°C	
<u>Operating Humidity Range:</u> 0 to 90 RH	<u>Weight:</u> 3,6 Kg
APPROVALS	CE, UL/cUL, Mzs, As
Ideal for any 12V Lead Acid Battery	

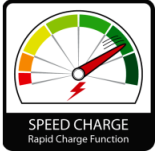
FEATURES

- **10 Channels Bank**
Allow to Charge and to Maintain ten Batteries at the same time
- **Automatic Charge**
Automatically stops charging when the battery is fully charged. No need to unplug charger, never overcharge the battery
- **Automatic Maintenance**
When the battery is charged to "full" state, the charger automatically switches to maintain the battery. It will monitor the battery voltage and continue to peak performance to the battery
- **“Short circuit & Reverse polarity” Protection**
Prevents from sparking due to the reverse connection or short circuit. The charger will automatically turn off to prevent any damage

Other Features

- Three level charge control
- Internal over heat protection
- Corrosion-resistant output connectors
- 10 Output clips provided

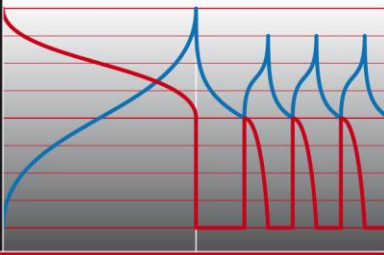
L.E.D CHARGE INDICATION	
LED Status	■ Power ■ Charging ■ Full / ■ Fault
A.C power connected, battery disconnected	■
Bulk Charging	■ ■
Level 1 charging	■ ■
Level 2,3 charging	■ ■ ■
Battery reverse polarity protection	■ ■



AUTOMATIC

CURRENT
COURANT
(AMPS)

VOLTAGE
TENSION
(V)



STAGE - ETAPES

BA10
BK10

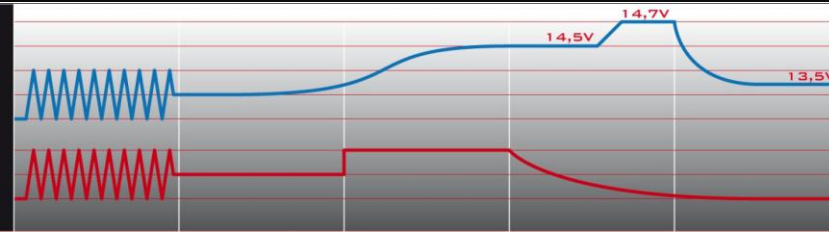
CHARGE
-
CHARGE PRINCIPALE

FLOAT
-
MAINTENANCE

SMART

VOLTAGE
TENSION
(V)

CURRENT
COURANT
(AMPS)



STAGE - ETAPES

BS20

DESULPHATION
REJUVENATES SULPHATED BATTERIES WITH A HIGH FREQUENCY PULSE.

DÉSULFATATION
RÉCUPÉRATION DE BATTERIES SULFATÉES GRÂCE À UN CYCLE D'IMPLUSIONS À FRÉQUENCE ÉLEVÉE.

SOFT START
INCREASES BATTERY LIFE BY GENTLY STARTING TO CHARGE THE BATTERY.

DÉMARRAGE LENT
DURÉE DE VIE DE LA BATTERIE AUGMENTÉE PAR UN DÉMARRAGE EN DOUCEUR DE LA CHARGE.

BULK CHARGE
REDUCES CHARGING TIME BY DELIVERING MAXIMUM CHARGE TO SET VOLTAGE.

CHARGE PRINCIPALE
DÉLIVRE AUTOMATIQUÉMENT UN COURANT CONSTANT ADAPTÉ AUX CARACTÉRISTIQUES DE LA BATTERIE TOUT EN OPTIMISANT LE TEMPS DE CHARGE.

ABSORPTION
ENSURES A FULL CHARGE TO THE BATTERY WITHOUT OVERCHARGING.

ABSORPTION
ASSURE LA CHARGE COMPLÈTE DE LA BATTERIE SANS RISQUE DE SURCHARGE.

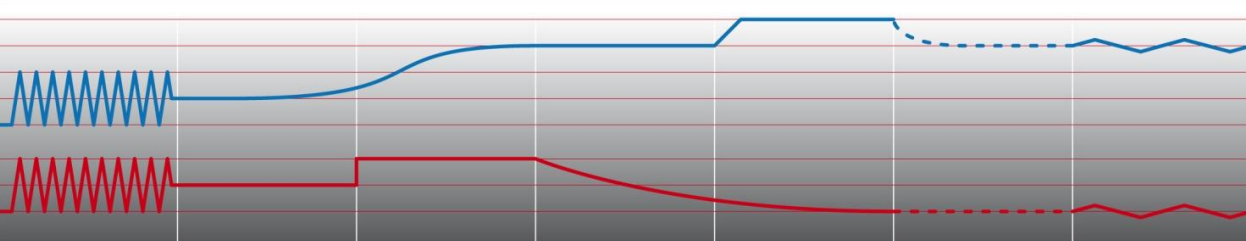
FLOAT
FLOAT CHARGE MAINTAINS THE BATTERY AT 100% CHARGE. 21 DAYS RESTART.

MAINTENANCE
ASSURE LE MAINTIEN DE LA BATTERIE À 100% DE SA CHARGE. DÉMARRAGE AUTOMATIQUE TOUS LES 21 JOURS.

PRO-SMART

VOLTAGE
TENSION
(V)

CURRENT
COURANT
(AMPS)



STAGE - ETAPES

BS40

DESULPHATION
REJUVENATES SULPHATED BATTERIES WITH A HIGH FREQUENCY PULSE.

DÉSULFATATION
RÉCUPÉRATION DE BATTERIES SULFATÉES GRÂCE À UN CYCLE D'IMPLUSIONS À FRÉQUENCE ÉLEVÉE.

SOFT START
INCREASES BATTERY LIFE BY GENTLY STARTING TO CHARGE THE BATTERY.

DÉMARRAGE LENT
DURÉE DE VIE DE LA BATTERIE AUGMENTÉE PAR UN DÉMARRAGE EN DOUCEUR DE LA CHARGE.

BULK CHARGE
REDUCES CHARGING TIME BY DELIVERING MAXIMUM CHARGE TO SET VOLTAGE.

CHARGE PRINCIPALE
DÉLIVRE AUTOMATIQUÉMENT UN COURANT CONSTANT ADAPTÉ AUX CARACTÉRISTIQUES DE LA BATTERIE TOUT EN OPTIMISANT LE TEMPS DE CHARGE.

ABSORPTION
ENSURES A FULL CHARGE TO THE BATTERY WITHOUT OVERCHARGING.

ABSORPTION
ASSURE LA CHARGE COMPLÈTE DE LA BATTERIE SANS RISQUE DE SURCHARGE.

EQUALISATION
RETURNS A FULL HYDROMETER READING TO CALCIUM BATTERIES BY REMOVING ACID STRATIFICATION.

ÉGALISATION
EFFECTUE UNE CHARGE D'ÉGALISATION POUR ÉQUILIBRER LES CELLULES DE LA BATTERIE, ÉVITANT AINSI LA STRATIFICATION DE L'ÉLECTROLYTE.

BATTERY TEST
TESTS THE BATTERY TO ENSURE FULLY CHARGED.

TEST BATTERIE
TESTE LA BATTERIE POUR S'ASSURER DE LA PLEINE CHARGE.

FLOAT
FLOAT CHARGE MAINTAINS THE BATTERY AT 100% CHARGE. 21 DAYS RESTART.

MAINTENANCE
ASSURE LE MAINTIEN DE LA BATTERIE À 100% DE SA CHARGE. DÉMARRAGE AUTOMATIQUE TOUS LES 21 JOURS.



BSTM
CHARGER
www.bs-battery.com



PRO-SMART



BS40

BS80

BS160

BS210^{*}

* BS210 has the same body than BS160 but in 2/10/21 Amp - 12V.

Original picture from Ford Motor Corp. before modification

2.

Automotive Charger Product Line

BSTM

www.bs-battery.com

BS CHARGER

Pro-Smart Battery Charger

12V

7 Stage Switchmode



BS40

BS80

BS160

BS210

AUTOMOTIVE

BS40

12V

1A,2A,4A

« Ideal for charging small batteries (Motorcycle, Jet Ski, Lawn Mower) & small passenger vehicles.»

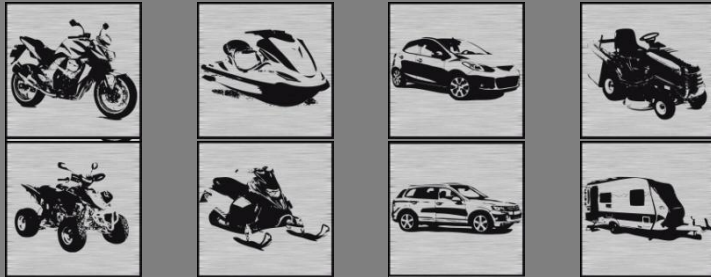


BS80

12V

2A,4A,8A

« Perfect for small to medium batteries including vehicles, passenger vehicles & 4x4.»



BS160

12V

2A,8A,16A

« Suitable for large passenger vehicles, 4x4 and deep cycle batteries. Also suitable to smaller batteries.»

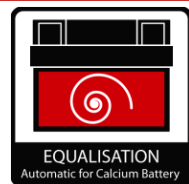
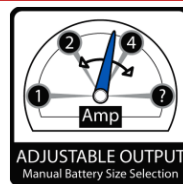
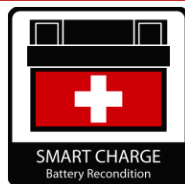
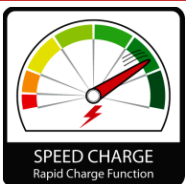


BS210

12V

2A,10A,21A

« Perfect for extra large batteries from trucks, tractors, buses & regularly used deep cycle batteries. Also suitable to medium batteries.»



12V 7 STAGE SWITCHMODE:

PRO-SMART

BS40, BS80, BS160, BS210



BATTERY CHARGERS

SPECIFICATIONS

TYPE	Pro-Smart / 7 Stage			
PART NUMBER	BS 40	BS 80	BS 160	BS 210
OUTPUT	1A,2A,4A at 12V	2A,4A,8A at 12V	2A,8A,16A at 12V	2A,10A,21A at 12V
INPUT VOLTAGE RANGE	100-240VAC	100-240VAC	100-240VAC	100-240VAC
INPUT FREQUENCY	50/60Hz	50/60Hz	50/60Hz	50/60Hz
APPROVALS	CE, UL/cUL, Mzs, As			
TYPE OF BATTERIES	Most Types of Batteries including GEL, AGM, WET CELL & CALCIUM			

FEATURES

Multi Stage Charge:

- 1) *Rejuvenation*
- 2) *Soft Start Charging*
- 3) *Bulk Charging*
- 4) *Absorption Charging*
- 5) *Equalization Charging*
- 6) *Battery Test*
- 7) *Float Mode*

CHARGING

Special Technical Features:

- **ADJUSTABLE OUTPUT SIZES**
- **ADJUSTABLE BATTERY TYPES:** Suits different battery Types (Calcium, AGM, WET, GEL)
- **REJUVENATION:** Revitalizes Tired Batteries
- **EQUALIZATION:** Balance the battery internal Cells (for Calcium Batteries)
- **SAFE & EASY:** Fully Automatic & Spark Free

General Features:

- High frequency switching mode
- Microprocessor controlled
- Charging time Management
- Charge and Maintain all type lead acid batteries
- Rejuvenate (refresh) the heavy discharged battery
- Periodically equalizing charge mode
- Output reverse polarity protection
- Output short circuit protection
- Output overload protection
- Internal over-heat protection
- Battery thermal running away protection
- Corrosion-resistant output connectors
- Plastic enclosure case.
- Output Clips and Ring terminals provided

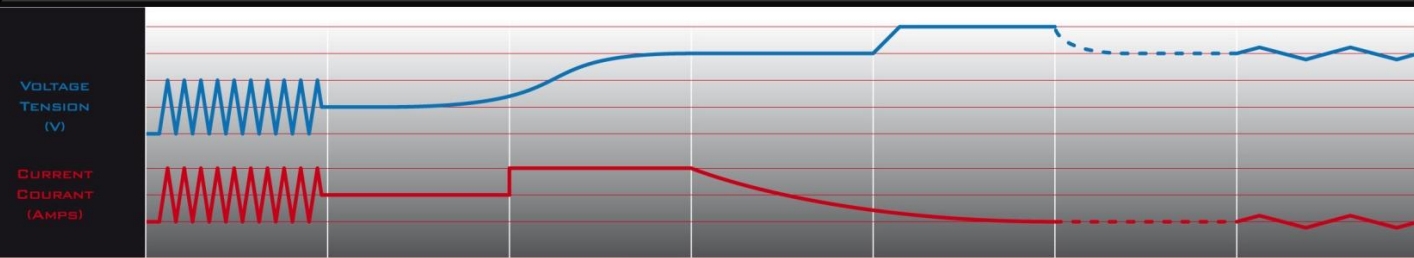
BS40, BS80, BS160, BS210

L.E.D CHARGE INDICATION

LED Status	■ Bulk	■ Absorption	■ Full Charge	■ Rejuvenation	■ Error
A.C power connected, battery disconnected	OFF	OFF	OFF	OFF	OFF
Manual Rejuvenation charging	OFF	OFF	OFF	FLASH	OFF
Soft Start charging	FLASH	OFF	OFF	OFF	OFF
Bulk charging	■	OFF	OFF	OFF	OFF
Absorption charging	OFF	■	OFF	OFF	OFF
Equalization charging	OFF	FLASH	OFF	OFF	OFF
Analysis mode	OFF	OFF	■	OFF	OFF
Float charging with Battery analyse is over 12,5V	OFF	OFF	■	OFF	OFF
Float charging with Battery analyse is below 12,5V	OFF	OFF	FLASH	OFF	OFF
Output Clip shorted or battery Reserve	OFF	OFF	OFF	OFF	■
Battery Condition check, Battery is defective	OFF	OFF	OFF	OFF	FLASH
Soft Start charging 6 hours timed-out	FLASH	OFF	OFF	OFF	FLASH
Bulk Charging 24 hours timed-out	■	OFF	OFF	OFF	FLASH
Charger over-temperature protected	OFF	OFF	OFF	OFF	FLASH

Charging Curve

PRO-SMART



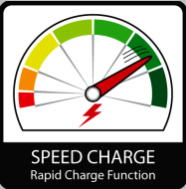
STAGE - ETAPES

PRO-SMART	DESULPHATION	SOFT START	BULK CHARGE	ABSORPTION	EQUALISATION	BATTERY TEST	FLOAT
	REJUVENATES SULPHATED BATTERIES WITH A HIGH FREQUENCY PULSE.	INCREASES BATTERY LIFE BY GENTLY STARTING TO CHARGE THE BATTERY.	REDUCES CHARGING TIME BY DELIVERING MAXIMUM CHARGE TO SET VOLTAGE.	ENSURES A FULL CHARGE TO THE BATTERY WITHOUT OVERCHARGING.	RETURNS A FULL HYDROMETER READING TO CALCIUM BATTERIES BY REMOVING ACID STRATIFICATION.	TESTS THE BATTERY TO ENSURE FULLY CHARGED.	FLOAT CHARGE MAINTAINS THE BATTERY AT 100% CHARGE. 21 DAYS RESTART.
	DÉSULFATATION RECUPÉRATION DE BATTERIES SULFATÉES GRÂCE À UN CYCLE D'IMPLUSIONS À FRÉQUENCE ÉLEVÉE.	DÉMARRAGE LENT DURÉE DE VIE DE LA BATTERIE AUGMENTÉE PAR UN DÉMARRAGE EN DOUCEUR DE LA CHARGE.	CHARGE PRINCIPALE DÉLIVRE AUTOMATIQUEMENT UN COURANT CONSTANT ADAPTÉ AUX CARACTÉRISTIQUES DE LA BATTERIE TOUT EN OPTIMISANT LE TEMPS DE CHARGE.	ABSORPTION ASSURE LA CHARGE COMPLÈTE DE LA BATTERIE SANS RISQUE DE SURCHARGE.	ÉGALISATION EFFECTUE UNE CHARGE D'ÉGALISATION POUR ÉQUILIBRER LES CELLULES DE LA BATTERIE, ÉVITANT AINSI LA STRATIFICATION DE L'ÉLECTROLYTE.	TEST BATTERIE TESTE LA BATTERIE POUR S'ASSURER DE LA PLEINE CHARGE.	MAINTENANCE ASSURE LE MAINTIEN DE LA BATTERIE À 100% DE SA CHARGE. DÉMARRAGE AUTOMATIQUE TOUS LES 21 JOURS.

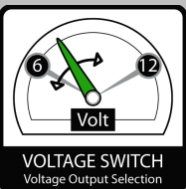
TECHNICAL FEATURES



- Fully Automatic: No risk of overcharge when the charger is connected
- Spark free & Reverse polarity protection
- Ideal for seasonal battery maintenance



- High frequency switching mode technology
- Optimize the charge duration
- Provide a fastest charge than conventional charger



- Voltage Switch allows to charge:
 - different types of batteries with a unique charger
 - different sizes of batteries with a unique charger



- Smart Chargers
- Battery recondition & desulphation features
- Can restore tired, deeply discharged or sulphated batteries
- Increase the battery life & performance



- Battery Switch provide a dedicated charge to:
 - Lead-Acid or Gel batteries



- Suitable for a wide range of different size batteries
- Adjustable output that can be set from 1A to 21A



- Ideal for batteries that have been deeply discharged and require a equalisation charge to restore a full electrolyte reading
- Automatic for Calcium batteries
- Manual for other batteries

Choose The Right BS-Charger For Your Vehicle

ESTIMATED BATTERY SIZES

~6Ah

~20Ah

~20Ah

~55Ah

~80Ah

~80Ah

~120Ah

~150Ah

~220Ah

YES

OK*

NO ⚠️

BA10

BS20

BS40

BS80

BS160

BS210



Compatibility for BA10 charger:

- Motorcycle: Green (YES)
- Utility Vehicle: Green (YES)
- Motorcycle: Green (YES)
- Classic Car: Green (YES)
- Car: Red (NO)
- Boat: Red (NO)
- Camper: Red (NO)
- Tractor: Red (NO)
- Truck: Red (NO)

Compatibility for BS20 charger:

- Motorcycle: Green (YES)
- Utility Vehicle: Green (YES)
- Motorcycle: Green (YES)
- Classic Car: Red (NO)
- Car: Orange (OK)
- Boat: Orange (OK)
- Camper: Red (NO)
- Tractor: Red (NO)
- Truck: Red (NO)

Compatibility for BS40 charger:

- Motorcycle: Orange (OK)
- Utility Vehicle: Green (YES)
- Motorcycle: Green (YES)
- Classic Car: Red (NO)
- Car: Green (YES)
- Boat: Green (YES)
- Camper: Green (YES)
- Tractor: Orange (OK)
- Truck: Red (NO)

Compatibility for BS80 charger:

- Motorcycle: Orange (OK)
- Utility Vehicle: Orange (OK)
- Motorcycle: Orange (OK)
- Classic Car: Red (NO)
- Car: Green (YES)
- Boat: Green (YES)
- Camper: Green (YES)
- Tractor: Green (YES)
- Truck: Orange (OK)

Compatibility for BS160 charger:

- Motorcycle: Orange (OK)
- Utility Vehicle: Orange (OK)
- Motorcycle: Orange (OK)
- Classic Car: Red (NO)
- Car: Green (YES)
- Boat: Green (YES)
- Camper: Green (YES)
- Tractor: Green (YES)
- Truck: Green (YES)

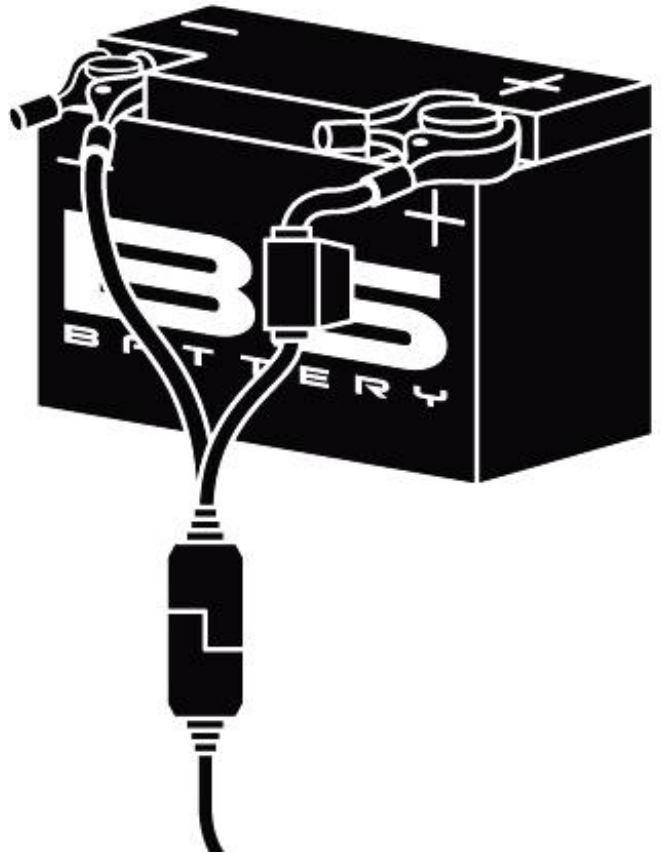
Compatibility for BS210 charger:

- Motorcycle: Orange (OK)
- Utility Vehicle: Orange (OK)
- Motorcycle: Orange (OK)
- Classic Car: Red (NO)
- Car: Green (YES)
- Boat: Green (YES)
- Camper: Green (YES)
- Tractor: Green (YES)
- Truck: Green (YES)

CHARGERS COMPATIBILITY

* No risk but not designed for this vehicle

* Classic Cars (6V batteries)



3.

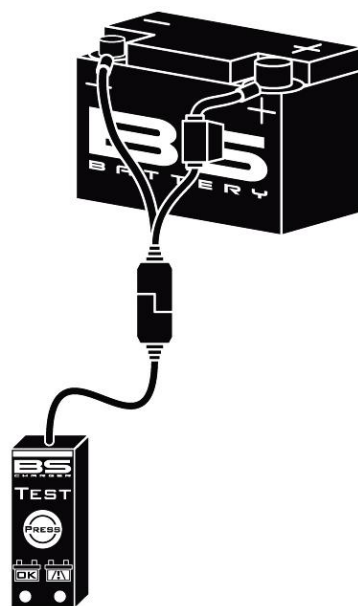
Accessories

BT 01

Battery Condition Indicator

Features

- Shows battery condition at the push of a button
- Offers the confidence of knowing when your battery is fully charged or not
- Easy to use
- Waterproof

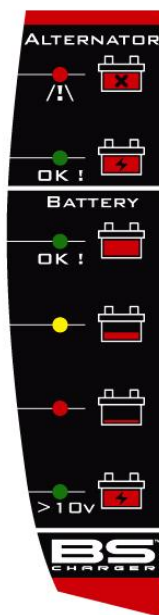


BT 02

Battery & Alternator Tester

Features

- Test the condition of your Battery & Alternator
- Control the right starting ability of your vehicle
- Checks and analyses the charge state of the battery
- Confirm if the alternator is charging correctly
- Easy to use
- Waterproof

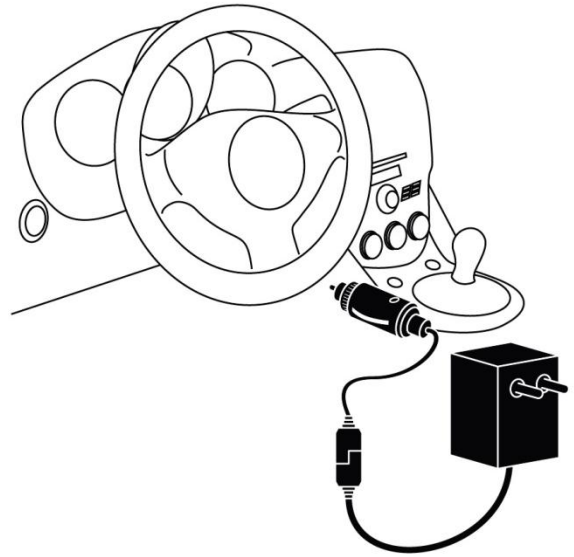


PA 03

Cigar Plug Leadset

Features

- Allows to charge through the cigarette outlet
- Suits perfectly with all 12V BS-Charger

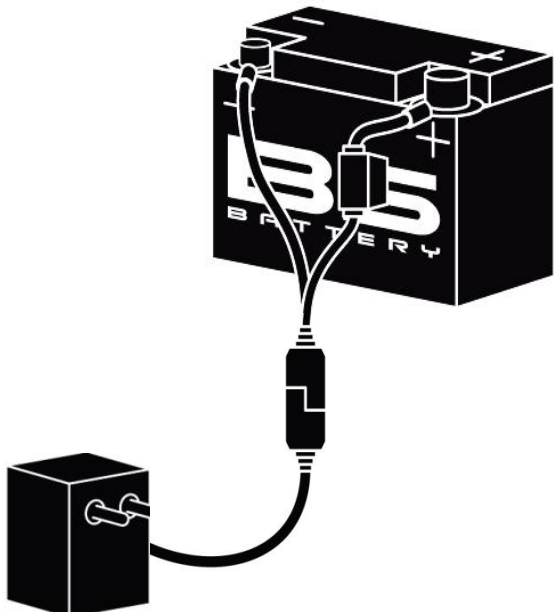


PA 01

Fused Ring Terminal Leadset

Features

- Satisfy all the battery charging needs without risk
- Perfect to reach well hidden batteries in the vehicle
- Charge & Maintain the batteries

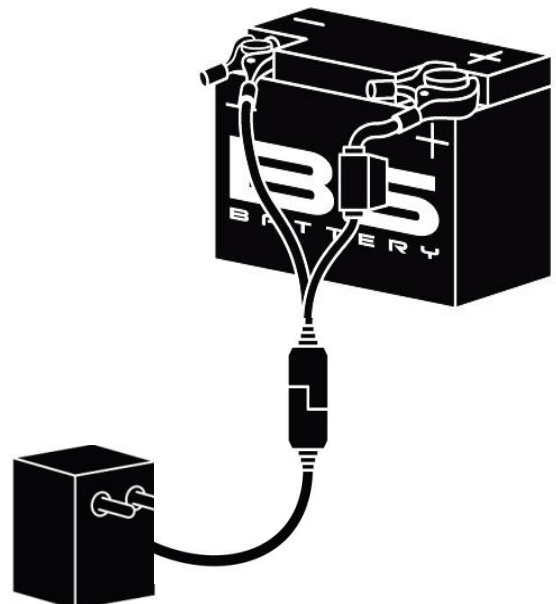


CL 02

Clamps Leadset

Features

- Satisfy all the battery charging needs without risk
- Easy to plug
- Charge & Maintain the batteries



2012 BS Charger Program

Product Lines:

Automatic Charger

BA 10 **6V/12V**
Automatic charger
1000mA

Smart Charger

BS 20 **12V**
Smart charger
2000mA

Accessories

BT 01
Battery Condition
Indicator

Bank Charger

BK 10 **12V**
10 Channels Bank
10 X 1Amp

Pro-Smart Chargers

BS 40 **12V**
Smart charger
1A/2A/4A

BS 80 **12V**
Smart charger
2A/4A/8A

BS 160 **12V**
Smart charger
2A/8A/16A

BS 210 **12V**
Smart charger
2A/10A/21A

BT 02
Battery & Alternator
Tester

PA 01
Fused ring terminal
Leadset

CL 02
Clamp Leadset

PA 03
Cigar Plug Leadset

Visit our website and find all chargers features, specifications, HD pictures, users instructions, helping guide...



The Power you need...

BATTERIES	CHARGERS	ACCESSORIES	ABOUT	EVENTS	MSDS	FAQ	CONTACT
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CHARGERS TYPES

The Power you need

MOTORCYCLE CHARGERS



Perfect for Charging and Maintaining all these applications



BA10

- Type : Automatic
- Output Power : 1A
- Suitable for charging : 6V & 12V Battery



B520

- Type : Smart - 5 stage
- Output Power : 2A
- Suitable for charging : 12V Battery



B540

- Type : Pro-Smart - 7 stage
- Output Power : 1/2/4A
- Suitable for charging : 12V Battery

AUTOMOTIVE CHARGERS



Perfect for Charging and Maintaining all these applications



B540

- Type : Pro-Smart - 7 stage
- Output Power : 1/2/4A
- Suitable for charging : 12V Battery



B580

- Type : Pro-Smart - 7 stage
- Output Power : 2/4/8A
- Suitable for charging : 12V Battery



B5160

- Type : Pro-Smart - 7 stage
- Output Power : 2/8/16A
- Suitable for charging : 12V Battery



B5210

- Type : Pro-Smart - 7 stage
- Output Power : 2/10/21A
- Suitable for charging : 12V Battery

THIS SITE REQUIRES MACROMEDIA FLASH PLAYER

Visit our website and find all chargers features, specifications, HD pictures, users instructions, helping guide...



The Power you need...

BATTERIES

CHARGERS

ACCESSORIES

ABOUT

EVENTS

MSDS

FAQ

CONTACT

BS40

12V - 1/2/4A Pro-Smart Charger 7 Stage Switchmode



Perfect for Charging and Maintaining the following applications



« Ideal for charging small batteries (Motorbike, Jet Ski, Lawn Mower) & small passenger vehicles. »

FEATURES

SPECIFICATIONS

EXTRAS

HELPING GUIDE

BS40 BATTERY CHARGER
For lead-acid batteries

Technical Features Overview

- Fully automatic: No risk of overcharge when the charger is connected
- Spark Free & Reverse polarity protection
- Ideal for extended battery maintenance
- High frequency switching mode technology
- Optimise the charge duration
- Provide a faster charge than conventional charger
- Voltage Switch allows to charge:
 - different types of batteries with a unique charger
 - different sizes of batteries with a unique charger
- Smart Chargers:
 - Battery recondition & desulphation feature
 - Can restore GEL, deeply discharged or sulphated batteries
 - Restore the battery life & performance
- Battery Switch permits a dedicated charge to:
 - Lead-Acid or Gel batteries
- Suitable for a wide range of different size batteries
- Adjustable output that can be set from 1A to 4A
- Ideal for batteries that have been deeply discharged and require a equalisation charge to restore a full electrolyte reading
- Automatic for Calcium batteries
- Manual for other batteries

CHARGE COMPATIBILITY

THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR BATTERY CHARGER 3040

ENGLISH

BS BATTERY CHARGER

TECHNICAL FEATURES OVERVIEW

BS-CHARGER SEARCH

Select your battery capacity to find the BS-Charger you need

BATTERY CAPACITY

SEARCH CHARGER

BS40 MAIN FEATURES



BS40 FULLSCREEN GALLERY

BS-ACCESSORIES

Discover the full range of BS-Charger accessories designed for all types of batteries.



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sales@bs-battery.com

SMART AUTOMATIC

PRO-SMART

BSTM
CHARGER
www.bs-battery.com



* BS210 has the same body than BS160 but in 2/10/21 Amp - 12V.

Original picture from Yamaha Motor Corp. & Ford Motor Corp. before modification

THANK YOU FOR YOUR ATTENTION

www.bs-battery.com

