

## BC BATTERY CONTROLLER 3500/5000/9000 EVO+

Thank you for buying the new battery charger BC 3500/5000/9000 EVO+, with **three charging programs for car batteries, start&stop batteries and motorcycle batteries**, featuring an 8-cycles charging technology and compatible with all 12V lead-acid batteries. Moreover, BC 3500 EVO+, BC 5000 EVO+ and BC 9000 EVO+ execute a complete test procedure, analysing the battery and the vehicle's charging system. The device is internally controlled by a microprocessor, which monitors in real time the battery parameters and executes automatically the 8 following charging cycles.

**Phase 1 - Initialization**: the device checks if one or more cells are shorted, to verify that the battery is in a proper condition to be recovered/recharged.

**Phase 2 - Recovery**: if the battery is deep discharged (starting from 1.25V), the device tries to recover it, taking it back to a higher voltage, necessary for the execution of the following step.

**Phase 3 - Soft Charge**: if the battery is in significantly discharged, the device provides a light pulsing current to the battery, to overcome the critical phase.

**Phase 4 - Bulk Charge**: during this phase, the device provides full current to the battery, recovering about 85-90% of the battery capacity.

**Phase 5 - Desulfation / Absorption**: during this phase the device provides a "controlled overcharge" to recover the remaining 15-20% of the battery capacity, through the desulfation/recovery of the lead-acid cells (for low or medium sulfation).

**Phase 6 - Battery Analysis**: the device starts providing current to the battery for a short time, in order to verify whether the battery is able to retain the charge received during the previous phases. This test is periodically repeated during the maintenance.

**Phase 7 - Maintenance**: the device keeps your battery in the best charge conditions for very long periods when your vehicle is left unused, without any possible drawback (battery overcharge/overheating, electrolyte loss...).

**Phase 8 - Equalization**: every 30 days during long term maintenance, the device executes an equalization charge in order to balance the battery lead-acid cells, avoiding electrolyte stratification within the cells.

**BC 3500/5000/9000 EVO+ - FEATURES**

- **Three selectable Charging Programs: "CAR MODE" for car batteries, "START&STOP" for start&stop batteries and "BIKE MODE" for motorcycle batteries.** - LCD display with blue backlight for an easy vision (even in the distance at night), which shows: the selected charging program (CAR or BIKE or START&STOP), the charging cycle executed (Charge, Desulfation, Maintenance...), the battery voltage (Digital Voltmeter) and any occurring problems (polarity inversion, short circuit, battery not connected...). For further information, please refer to "Battery Charging Working Mode" section.

- Multi-language software: the user can select the language between Italian, French, English, Spanish, German and Portuguese.

- Real time monitoring of the main battery parameters during every charging cycle.

- Battery Overcharge Protection, which triggers in case the microprocessor detects a voltage level higher than a given fixed threshold: no risk of bubble production for all batteries (lead-acid traditional, MF, VRLA, Gel, AGM).

- Automatic and user-friendly test procedure. The device executes autonomously and sequentially the following tests:

- Battery Voltage at rest;
- Battery Cranking Power while cranking the engine;
- Alternator/Regulator Test.

Upon conclusion of every cycle, the device switches automatically to the next one, without any external intervention: **BC 3500/5000/9000 EVO+ CAN BE LEFT ALWAYS CONNECTED TO THE BATTERY WHEN THE VEHICLE IS LEFT UNUSED**. The battery charger belongs to BC Battery Controller family of products for battery care, distributed by the best battery/car/motorbike dealers. All the products in BC Battery Controller family have been designed, manufactured and tested according to the current norms in force in the European Union in order to comply with all the requirements for electronic equipments (i.e. device safety, electromagnetic compatibility, etc). Please read carefully this manual and follow all its recommendations before using and installing the device.

**DIRECTIONS**

This device has to be used according to the working conditions it has been designed for. Any other use is to be considered either dangerous or improper. Do not use the device for NiCd, NiMH, Li-Ion or non-rechargeable batteries. The manufacturer is completely exonerated from whatever responsibility for possible damages due to either wrong or improper use of the device. The following basic usage principles have to be considered whenever using the device:

- Do not touch the device with wet hands (or wet feet).
- Do not touch the device barefoot.

- Do not expose the device to the atmospheric agents (rain, water, saltiness...).

- Please verify that the input and output cables are in good conditions before using the device. If the input cable is damaged, do not use the device: ask the manufacturer or an authorized service agent for repair or replacement. Before executing any cleaning/maintenance operation on the device, please check the device is not connected to the power outlet. In case the device does not work properly, do not attempt to repair it; please ask either your local dealer or the equipment manufacturer (info@batterycontroller.it) for support. Any attempt to open unduly the device shall cause the withdrawal of the warranty.

**SAFETY**

BC 3500/5000/9000 EVO+ is not intended for use by children or persons with reduced physical, mental or sensory capabilities, or lack of enough experience and knowledge to understand the instructions on this manual, except in the presence of a responsible person who can ensure the safe use of the device. Keep out of reach of children and ensure that they can not play with it. The device is designed and manufactured in accordance with the norms and regulations in force in the European Union and provided with the following set of active guard mechanisms:

- Protection from battery polarity inversion.
- Protection from output lines short circuit (even for an indefinite time).
- Over-temperature protection: the current supplied to the battery gets limited in case of device overheating.

In order to prevent any accident, please respect the following guidelines:

- Always wear protective goggles when operating in proximity of the battery.
- Do not try to recharge a frozen battery.
- During the charge of a battery, avoid generating flames or sparks in its proximity since it might produce explosive gases. If the battery is out of the vehicle, place it in a well ventilated area.
- Do not put the battery charger device on top of the battery during its charge.
- Batteries contain a corrosive electrolyte. In case it gets in touch with your skin or eyes, rinse them immediately with plenty of water and ask for a doctor.
- BC 3500/5000/9000 EVO+ is specifically designed to provide a long-term maintenance in order to prevent the slow self-discharge of the battery. If the device does not execute the Bulk Charge phase after a time-out period that is about three times the one indicated in this manual (see "Performance" table), disconnect it manually. One of the following problems might have been occurred: the battery is definitely worn out; there are electronic devices connected to the battery (alarm, radio, on board computer...) that drain too much current.

**BATTERY CONNECTOR WITH EYELETS INSTALLATION PROCEDURE**

When charging a battery in a vehicle, it is advisable to install the battery connector with eyelets, which allows to perform the following procedure just once. The user is kindly requested to execute the installation with maximum care (see "Directions" and "Safety" sections). If necessary, please entrust qualified personnel with the execution of the steps reported here below:

- Connect the eyelets to the battery: the black wire to the (-) negative battery terminal, the red wire to the (+) positive battery terminal.

- Fix the connector in a stable and easy-to-reach place on board (for example, under the saddle).

**BATTERY CONNECTOR WITH CLAMPS INSTALLATION PROCEDURE**

If the battery is out of the vehicle, just connect the black clamp to the (-) negative battery terminal and the red clamp to the (+) positive battery terminal. If charging the battery in a vehicle, connect first to the battery terminal not connected to the chassis (usually the positive one, red clamp to the + battery pole), and then connect the other clamp to the chassis, far from the battery and the fuel line. After using the device, disconnect in reverse sequence.

**CHARGING PROGRAM SELECTION - CAR MODE/BIKE MODE/START&STOP**

To change the charging program of your charger, please disconnect it from the power outlet within 10 seconds from the first connection and connect it again, before connecting it to the battery. A countdown on the display shows the remaining time to change the program: if you don't unplug the charger within 10 seconds from turning it on, it will keep on using the last selected program. The display always shows the selected charging program.

**INSTALLATION PROCEDURE - BATTERY CHARGING**

- **Connect the device to the power outlet. NB: connecting BC first to the battery and not to the power outlet, the Testing Working Mode gets activated.**
- The LCD display turns on, showing the current charging mode (CAR or START&STOP or BIKE). To change the charging mode, disconnect the device and connect it again to the power outlet.
- Remove the connector saver cap from the cable with eyelets and connect the battery charger to the cable with eyelets. Otherwise, connect the battery charger to the battery through the insulated clamps (see previous section) or the cigar socket adapter.

-After a few seconds, the LCD display will show the charging cycle under execution as well as the battery voltage and the active charging program.

**INSTALLATION PROCEDURE - BATTERY TESTING**

- Connect the device to the battery and not to power outlet.

-The LCD Display will show the scrolling message "BC TESTER". Follow the instructions to proceed with the test.

**BATTERY CHARGING WORKING MODE**

In case of normal working conditions, the display shows the following messages:

- Charging Cycle: "Battery in... Recovery / S. Charge / Charge / Desulfat. / Verify / Mainten. / Equaliz."

- Battery voltage (for example "13.5V") and battery State of Charge.

For more details about the charging steps, please read the "Charging Algorithm" section.

Possible occurring anomalies are indicated by the device as follows:

- "Error: BC not connected to power outlet". - "Error: Battery not connected". - "Error: Battery Inversion of Polarity" (polarity inversion or short circuit). - "Battery with low level of Charge": the Battery Analysis found that the battery can not retain the charge received; it may be necessary to substitute it.

In case of wrong installation or functioning, please disconnect the device following the procedure reported in the "Disconnection Procedure" section.

**TESTING WORKING MODE**

After showing the message "BC TESTER" on the LCD display, the test procedure will start. The device will show all the instructions and results.

- Battery S.O.C. Test at rest: **the battery must be unused for 2 hours or more**. Test result: battery voltage and estimate of the Battery State Of Charge.

- Battery Cranking Power Test: **the duration of the engine cranking has to be less than 1 second**. Test result: "Excellent / Good / Fair / Poor".

- Alternator/Regulator Test: **run the engine at about 2500 rpm during the 30 seconds following the engine cranking**. Test result: "Test successfully passed / Charge ok but a bit weak / Charge weak: please check / Charge high: please check".

During the Cranking Power Test, if the battery voltage drops down too much, the device may reset. Please recharge or substitute the battery.

**BATTERY CHARGER DISCONNECTION PROCEDURE**

Please follow the following steps to disconnect the battery charger from the battery:

- Disconnect the battery charger from the power outlet.

- Disconnect the battery charger from the cable with eyelets and put the saver cap on the cable connector. Otherwise, disconnect the clamps from the battery or the cigar socket adapter from the cigar socket.

- Put the battery charger back in its box to minimise its exposure to atmospheric agents.

**BATTERY TYPES**

The battery charger BC 3500/5000/9000 EVO+ is specifically designed for the maintenance of all 12V lead-acid batteries on the market (wet, Gel, MF, AGM, VRLA, etc). Please refer to the "Technical Data" for indications about the battery capacity range to which your battery charger is addressed.

**MAINTENANCE**

In order to ensure a regular functioning, it is suggested to periodically check the correct and stable connection of the eyelets to the battery and to remove dust and oil from the battery poles with a metallic brush. Please read the "Safety" section before. The device has been specifically designed to be maintenance-free. Please remove possible dust which may get accumulated on the cover of the device using a delicate detergent to avoid damaging the stickers. In case any item of the kit does not work correctly, please contact either your local dealer or the manufacturer asking for item repairing or substitution. Any attempt to open the device shall imply the warranty becomes no longer valid.

**WARRANTY**

Forelettronica Srl provides a 36 months warranty to cover the device malfunction or failure due to improper assembly/manufacturing or breakage of any internal component. Parts, whose deterioration is because of the usage, are not covered by the warranty. Any repairing right under manufacturer's warranty decays in any of the following cases: improper use of the device; unduly opening of the device; repairing performed by unauthorised personnel. This warranty is limited to the original buyer of the device and it can not be transferred to third parties. This warranty excludes implicit forms of warranty, including possible damages due to the usage of the battery charger: Forelettronica Srl is exonerated from any damage to either persons or goods due to the usage of its products. The transportation expenses to return the defective device, together with the Warranty Coupon reported here and the supplier ticket, are to be paid by the purchaser.

**STATEMENT OF CONFORMANCE**

Forelettronica Srl declares under its responsibility that the battery chargers in BC Battery Controller range fulfil all the relevant norms and regulations in force in the European Union. The device is CE marked. Rules of references: EN60335-1, EN60335-2-29, EN62233 (in accordance with Directive LVD 2006/95/EC and subsequent amendments); EN55014-1, EN55014-2, EN61000-3-2 and EN61000-3-3 (in accordance with Directive 2004/108/EC and subsequent amendments).

## ENGLISH

## SELEZIONE LINGUA / SÉLECTION LANGUE / LANGUAGE SELECTION / SELECCIÓN IDIOMA / SPRACHAUSWAHL

**SELEZIONE LINGUA**

È possibile selezionare la lingua di visualizzazione del display di BC 3500/5000/9000 EVO+ tra italiano, francese, inglese, tedesco, spagnolo o portoghese. Per accedere al menu di Selezione Lingua, si prega di seguire la seguente procedura:

- Con BC 3500/5000/9000 EVO+ disconnesso dalla presa di corrente e dalla batteria, collegare le pinze al caricabatteria e mettere a contatto la pinza rossa e la pinza nera (creando un corto circuito).

- Collegare BC 3500/5000/9000 EVO+ alla presa di corrente, sempre tenendo le pinze in corto circuito. Ogni volta che il dispositivo viene scollegato e ricollegato alla presa di corrente, la lingua cambia, con la seguente sequenza:

Lingua: ITALIANO -> Langue: FRANÇAIS -> Language: ENGLISH -> Sprache: DEUTSCH -> Idioma: ESPAÑOL -> Língua: PORTUGUÊS

La lingua selezionata rimane in memoria per ogni futuro utilizzo.

**SÉLECTION DE LA LANGUE**

Vous pouvez choisir la langue de l'écran du BC 3500/5000/9000 EVO+ entre italien, français, anglais, allemand, espagnol ou portugais. Pour accéder au menu de sélection de la langue, s'il vous plaît suivez la procédure suivante :

- Avec BC 3500/5000/9000 EVO+ débranché de la prise électrique et la batterie, connectez le câble avec pinces au chargeur et mettre en contact la pince rouge avec la pince noire (en court-circuit).

- Connectez BC 3500/5000/9000 EVO+ à la prise de courant, toujours avec les pinces en court-circuit. Chaque fois que l'appareil est déconnecté et reconnecté à l'alimentation électrique, la langue change, avec cette séquence :

Lingua: ITALIANO -> Langue: FRANÇAIS -> Language: ENGLISH -> Sprache: DEUTSCH -> Idioma: ESPAÑOL -> Língua: PORTUGUÊS

La langue choisie reste en mémoire pour chaque utilisation future.

**LANGUAGE SELECTION**

You can select the display language for BC 3500/5000/9000 EVO+ between Italian, French, English, German, Spanish or Portuguese. To access the Language Selection menu, please follow the following procedure:

- Keeping BC 3500/5000/9000 EVO+ disconnected from the power outlet and the battery, connect the adapter with clamps to the charger and put in contact the red clamp with the black clamp (creating a short circuit).

- Connect BC 3500/5000/9000 EVO+ to the power outlet, still holding the clamps shorted. Every time the device is disconnected and reconnected to the power supply, the language changes, according to the following sequence:

Lingua: ITALIANO -> Langue: FRANÇAIS -> Language: ENGLISH -> Sprache: DEUTSCH -> Idioma: ESPAÑOL -> Língua: PORTUGUÊS

The selected option is kept in memory for future usage.

**SELECCIÓN DEL IDIOMA**

Puede seleccionar el idioma de visualización de la pantalla de BC 3500/5000/9000 EVO+ entre italiano, francés, inglés, alemán, español o portugués. Para acceder al menú de selección del idioma, por favor siga el siguiente procedimiento:

- Con BC 3500/5000/9000 EVO+ desconectado de la toma de corriente y de la batería, conecte las pinzas al cargador y ponga en contacto la pinza roja con la pinza negra (creando un cortocircuito).

- Conecte BC 3500/5000/9000 EVO+ a la toma de corriente, siempre con las pinzas en cortocircuito. Cada vez que el dispositivo se desconecta y se vuelve a conectar a la toma de corriente, el idioma va a cambiar, con la siguiente secuencia:

Lingua: ITALIANO -> Langue: FRANÇAIS -> Language: ENGLISH -> Sprache: DEUTSCH -> Idioma: ESPAÑOL -> Língua: PORTUGUÊS

El idioma seleccionado se mantiene en memoria para sus futuros.

**SPRACHAUSWAHL**

Sie können die Display-Sprache von BC 3500/5000/9000 EVO+ zwischen Italienisch, Französisch, Englisch, Deutsch, Spanisch oder Portugiesisch wählen. Um auf die Sprachauswahl Menü zuzugreifen, folgen Sie bitte dem folgenden Verfahren:




- Mit BC 3500/5000/9000 EVO+ aus der Steckdose und der Batterie getrennt, verbinden Sie die Krokodilklemmen an das Ladegerät und stellen Sie die rote Klemme in Kontakt mit der schwarzen Klemme (Schaffung eines Kurzschluss).

- Schließen Sie das Gerät an eine Steckdose an, noch mit den kurzgeschlossenen Klemmen. Jedes Mal Sie das Gerät mit der Steckdose trennen und verbinden, wird die Sprache mit der folgenden Reihenfolge wechseln:

Lingua: ITALIANO -> Langue: FRANÇAIS -> Language: ENGLISH -> Sprache: DEUTSCH -> Idioma: ESPAÑOL -> Língua: PORTUGUÊS

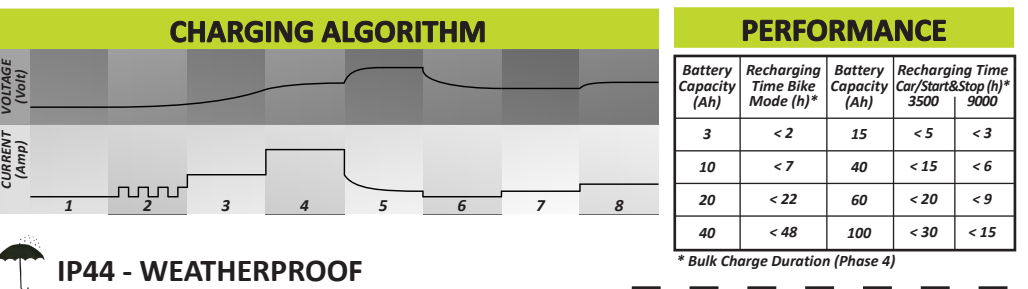
Die gewählte Sprache bleibt für jede spätere Verwendung im Speicher.

## CONTENUTO / CONTENU / CONTENT / CONTENIDO / INHALT

<b>CAVO CON OCCHIELLI CÂBLE AVEC OEUILLETS CONNECTOR WITH EYELETS CABLE CON OJALES KABEL MIT ÖSEN</b>	<b>CAVO CON MORSETTI CÂBLE AVEC PINCES CONNECTOR WITH CLAMPS CABLE CON PINZAS KABEL MIT KLEMMEN</b>	<b>SPINA ACCENDISIGARI UNIVERSALE ADAPTATEUR ALLUME-CIGARE CIGAR SOCKET ADAPTER ADAPTATOR ECENDEADOR CIGARROS ZIGARETTENANZÜNDER-ADAPTER</b>
		
	<b>OPTIONAL (SEE BARCODE)</b>	

## SCHEDA TECNICA / CARACTÉRISTIQUES TECHNIQUES / TECHNICAL DATA / DATOS TÉCNICOS / TECHNISCHE DATEN

MODELLO	PRODUIT	MODEL	MODELO	PRODUKT	BC 3500 EVO+	BC 5000 EVO+	BC 9000 EVO+
Tensione Ingresso	Tension CA	Input Voltage	Tensión CA	Eingangsspannung	220>240V ac, 50-60Hz	220>240V ac, 50-60Hz	220>240V ac, 50-60Hz
Tensione Carica	Tension de charge	Output Voltage	Tensión de carga	Ausgangsspannung	13.8V/14.4V - nom. 12V	13.8V/14.4V - nom. 12V	13.8V/14.4V - nom. 12V
Corrente Carica	Courant de charge	Charging Current	Corriente de carga	Lade-Strom	1 A max (Bike) 3.5 A max (Car/Start&Stop)	1 A max (Bike) 5 A max (Car/Start&Stop)	1 A max (Bike) 9 A max (Car/Start&Stop)
Protezione inversione polarità	Protection inversion polarité	Battery Poles Protection	Protección polaridad invertida	Schutz Vorzeichenumkehr	X	X	X
Protezione corto circuito	Protection court-circuit	Short Circuit Protection	Protección cortocircuito	Schutz Kurzschluss	X	X	X
Protezione sovraccarica	Protection surcharge	Overcharge Protection	Protección sobrecarga	Schutz Überladung	X	X	X
Protezione surriscaldamento	Protection surchauffe	Overheating Protection	Protección sobrecalentamiento	Schutz Überhitzung	X	X	X
Algoritmo di ricarica	Algorithme de charge	Charging Algorithm	Algoritmo de carga	Ladealgorithmus	Automatic 8 cycles	Automatic 8 cycles	Automatic 8 cycles
Tipi di batterie	Types des batteries	Battery Types	Tipos de baterías	Batterie-Typen	12 V Lead-Acid (Gel, Wet, MF, AGM, VRLA, Ca/Ca...)	12 V Lead-Acid (Gel, Wet, MF, AGM, VRLA, Ca/Ca...)	12 V Lead-Acid (Gel, Wet, MF, AGM, VRLA, Ca/Ca...)
Capacità batterie	Capacité des batteries	Battery Capacity	Capacidad batería	Batterie-Kapazität	1.2-60 Ah (Bike) 15-150 Ah (Car/Start&Stop)	1.2-60 Ah (Bike) 15-160 Ah (Car/Start&Stop)	1.2-60 Ah (Bike) 40-200 Ah (Car/Start&Stop)
Temperatura oper.	Température amb.	Oper. Temperature	Temperatura func.	Betriebstemperatur	-20°C - +50°C	-20°C - +50°C	-20°C - +50°C



### IP44 - WEATHERPROOF

**INDICATO PER USO ESTERNO  
CONVIENT AUX UTILISATIONS EN EXTÉRIEUR  
SUITABLE FOR OUTDOOR USE  
ADECUADO PARA USO EN EXTERIORES  
GEEIGNET FÜR DEN AUßENBEREICH**

	<b>IP44 - WEATHERPROOF</b>
<b>INDICATO PER USO ESTERNO CONVIENT AUX UTILISATIONS EN EXTÉRIEUR SUITABLE FOR OUTDOOR USE ADECUADO PARA USO EN EXTERIORES GEEIGNET FÜR DEN AUßENBEREICH</b>	<b>WARRANTY COUPON</b>
	This warranty covers the device malfunction or failure due to improper assembly/manufacturing or breakage of any internal component. Parts, whose deterioration is because of the usage, are not covered by the warranty. This warranty excludes implicit forms of warranty: Forelettronica Srl is exonerated from any damage to either persons or goods due to the usage of its products.
<b>Model:</b>	_____
<b>Anomalies description:</b>	_____
Attention! This coupon has to be returned together with the supplier ticket and the device in its original packaging.	
<b>MANUFACTURER</b> Forelettronica Srl Via Meucci, 11 20080 Cislino (MI) - ITALY info@batterycontroller.it	<b>BATTERY™ CONTROLLER</b> <b>CHARGING YOUR PASSION</b>

## BC BATTERY CONTROLLER 3500/5000/9000 EVO+

## ITALIANO

Grazie per aver acquistato il nuovo caricabatteria BC 3500/5000/9000 EVO+, con **tre programmi di carica per batterie auto, batterie start&stop e batterie moto**, con un algoritmo di carica a 8 fasi e compatibile con tutte le batterie 12V al piombo-acido. Inoltre, BC 3500 EVO+, BC 5000 EVO+ e BC 9000 EVO+ eseguono una completa procedura di test, analizzando la batteria ed il sistema di carica del veicolo. Il caricabatteria è internamente controllato da microprocessore che monitora in tempo reale lo stato della batteria ed esegue automaticamente 8 cicli di carica.

**Fase 1 - Inizializzazione**: verifica che una o più celle non siano in corto circuito e che quindi la batteria sia in condizione di essere ricaricata/recuperata.

**Fase 2 - Recupero**: se la batteria è in condizioni di scarica estrema (a partire da 1,25V), il dispositivo tenta un recupero, per riportarla a tensioni più elevate compatibili con la fase successiva.

**Fase 3 - Carica Leggera**: se la batteria è significativamente scarica, il dispositivo eroga una corrente leggera ad impulsi alla batteria, per superare la fase critica.

**Fase 4 - Carica Principale**: durante questa fase il caricabatteria eroga piena corrente alla batteria, la quale può recuperare fino all'85-90% della sua capacità.

**Fase 5 - Desolfatazione / Assorbimento**: in questa fase viene fornita alla batteria una "sovraccarica controllata" in grado di ripristinare il rimanente 10-15% della capacità della batteria, mediante la desolfatazione/recupero delle celle piombo-acido (per livelli di solfatazione lieve o media).

**Fase 6 - Analisi Batteria**: il dispositivo interrompe per qualche decina di minuti l'erogazione di corrente e verifica che la batteria sia in grado di conservare la carica ricevuta durante i precedenti cicli di ricarica. Il test viene periodicamente ripetuto ad intervalli regolari.

**Fase 7 - Mantenimento**: grazie ad un circuito elettronico appositamente progettato, il dispositivo mantiene la carica della batteria nei periodi di inutilizzo, senza surriscaldamento, sovraccarica e perdita d'acqua/elettrolita.

**Fase 8 - Equalizzazione**: durante il mantenimento di lungo periodo, il dispositivo ogni 30 giorni esegue una carica di equalizzazione per riequilibrare le celle della batteria, evitando fenomeni di stratificazione dell'elettrolita.

**BC 3500/5000/9000 EVO+ - CARATTERISTICHE**

- **Tre programmi di carica selezionabili: "CAR MODE" per batterie auto, "START&STOP" per batterie start&stop e "BIKE MODE" per batterie moto.**
- Display LCD retroilluminato per un'agevole visione (anche notturna in lontananza), che indica: la modalità di carica attiva (CAR o BIKE o START&STOP), il ciclo di carica in esecuzione (Carica, Desolfatazione, Mantenimento...), la tensione di batteria (Voltmetro digitale) ed ogni eventuale anom