

# BC EASY 6



12 VOLT  
0.9 AMP

6  
CYCLES

2 LEDs

BC Easy 6 is the economical battery charger for long term maintenance by BC Battery Controller, ideal for the charge, desulfation and maintenance of all motorcycle, atv, moped, snowmobile and jetski batteries. The battery charger is designed to stay always connected to the battery, with no risk and no need to disconnect the battery from the vehicle, keeping it fully charged during long periods of inactivity (even months). Moreover, it can be used for the slow charge and maintenance of car batteries.

BC Easy 6 delivers a maximum current of 0.9 Amps and runs a fully automatic 6-cycles charging algorithm, providing a complete solution to recover discharged batteries (from 5 volts) and to recharge, desulfate and maintain all 12V batteries (traditional, gel, sealed...) from 1.2 to 100 Ah. A couple of LEDs indicate the charging cycle executed as well as any functioning error in real time. BC Easy 6 does not produce sparks and it is protected against short circuit, reverse polarity, overcharging and

overheating. The package includes a waterproof battery cable with eyelets (code STD2V), which can be left always installed on the vehicle, and a battery cable with insulated clamps (code 30AMPPZ). A universal 12/18 mm adapter (code ACC612V - optional) is available to recharge the battery from the cigarette lighter. The warranty is extended to 3 years.



**NEW  
DESIGN  
2015**

## TECHNICAL DATA

Input Voltage  
Charge Voltage  
Charge Current  
Charging Algorithm

Types of Batteries

Battery Capacity  
Operating Temperature  
IP Class

## BC EASY 6

220÷240 Vac, 50÷60 Hz  
13.8 V / 14.4 V - nominal 12 V  
0.9 A max  
6 cycles, automatic (Initialization, Soft Charge, Bulk Charge, Desulfation, Battery Analysis and Maintenance)  
12 V Lead Acid  
(Traditional/Wet, Gel, MF, VRLA, AGM, Ca/Ca, etc.)  
From 1.2 Ah to 100 Ah  
from -20° to +50°C  
Weatherproof - Protection against water splash IP44. Suitable for outdoor use



**Featuring wall mounting system  
with fast dismounting**

## 6 CYCLES CHARGING TECHNOLOGY

---

**BC EASY 6** is managed by a **latest-generation microprocessor**, which is in charge of monitoring the battery parameters in real time and to execute a **new multi-cycle charging algorithm**:

1. **Initialization**: the device checks if one or more cells are shorted, in order to verify that the battery is in a proper condition to be recharged/recovered.
2. **Soft Charge**: if the battery is in a condition of significant undercharge, the device provides a light pulsing current to the battery, to overcome this critical phase.
3. **Bulk Charge**: the device provides full current to the battery, recovering about 85-90% of the battery capacity.
4. **Desulfation / Absorption**: the device provides a "controlled overcharge" to recover the remaining 10-15% of the battery capacity, through the desulfation/recovery the lead-acid cells (for low or medium sulfation).
5. **Battery Analysis - End Cycle Test**: the device stops providing current to the battery for a short time, in order to verify whether the battery is able to retain the charge received. This test is periodically repeated during the Maintenance.
6. **Maintenance**: the device keeps the battery in the best charge conditions for very long periods (even months) during which your vehicle is left unused, without any possible drawback (battery overcharge, battery overheating, water and/or electrolyte loss, etc).

## SAFETY AND PROTECTIONS

---

**BC EASY 6** features a series of **8 protections and active guard mechanisms** that make it easy to install and to use, without any risks even for users without expertise:

- **No interferences the vehicle's on board electronics** (control unit, ABS, GPS...)
- Protection from output lines short circuit, even for an indefinite time: **no sparks!**
- Protection from battery polarity inversion
- Protection from battery overcharge/overheating
- Thermal protection from overtemperature
- No need to disconnect the battery from your vehicle
- Very few gas development during the charge: no need to remove the battery plugs

Laboratory Tests ensure the manufacturing of products in conformity to the regulations in force on safety and electro-magnetic compatibility. Norms and Regulations: EN55014-1, EN55014-2, EN60335-1, EN60335-2-29, EN61000-3-2, EN61000-3-3.

## BATTERY TYPES AND CAPACITY

---

**BC EASY 6** is specifically designed for charging and maintaining **all 12V lead-acid batteries** currently available on the market (traditional, VRLA, MF, AGM, GEL, Ca/Ca, etc). The device is addressed to **recharge and maintain batteries with a capacity from 1.2 to 100 Ah**.

## EQUIPMENT & ADD-ONS

---

The package includes:

- the battery charger **BC EASY 6** for long term battery maintenance, provided with a 220V power cable (2 meters long) and a battery output cable;
- **STD2V** waterproof battery cable with eyelets, which can be left always installed on board;
- **30AMPPZ** battery cable with clamps;
- according to the selected kit, the universal 12/18mm cigar socket adapter (cod. **ACC612V**) may be included;
- a copy of the User Manual.