

### USB Battery Charger

Model No.:BC-0807S

4 independent charging channels  
1 TO 4 charging



BC0807S USB Battery Charger is designed to charge 1 to 4pcs Ni-Mh/Ni-Cd AA/AAA rechargeable batteries overnight. The 4 independent charging channels are allowed to use respectively or with optional combination, AA and AAA batteries can be charged in each channel.

#### Main Features

- **Charging Function:** 4 independent charging channels allowing to use respectively or with optional combination
- **Reverse Polarity Protection:** Specially designed compartment to prevent incorrect batteries polarity connection, protecting both charger and batteries
- **LED Indicators:** 4 Red LED constantly on when charging

#### Specifications

Input voltage: 5V  $\square$  1A  
Output voltage: 4 x 1.4V  
Charging current: AA: 200mA  
AAA: 100mA

#### Colors

White

#### Appr. Charging Time\*

Type of Battery	Charging time
Ni-MH AA 2700mAh	17h
Ni-MH AA 2300mAh	15h
Ni-MH AA 2000mAh	14h
Ni-MH AAA 1100mAh	14h
Ni-MH AAA 800mAh	11h
Ni-Cd AA 1000mAh	6.5h
Ni-Cd AAA 300mAh	3.5h

\*The charging time varies according to different batteries. For a more complete listing please visit [www.camelionbattery.com](http://www.camelionbattery.com)

#### Package Details



BC-0807S

#### Accessory:



Micro USB Cable (L:50CM)

#### Related Products

BC-0805A



Mini USB Battery Charger

BC-0805B



Mini USB Battery Charger

LBC-313



Universal Battery Charger

LBC-312



Universal Battery Charger

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Contact us: [info@camelionbattery.com](mailto:info@camelionbattery.com)  
[www.camelionbattery.com](http://www.camelionbattery.com)

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## Schematic



## Comprehensive Description

This USB Battery Charger is designed to charge 1-4pcs Ni-Mh/Ni-Cd AA/AAA rechargeable batteries. The 4 independent charging channels are allowed to use respectively or with optional combination, AA and AAA batteries can be charged in each channel.

### 1 Product Features

#### 1.1 Battery Type

Suitable for 1-4 pcs 1.2V NiMh/NiCd AA/AAA batteries;

#### 1.2 Reverse Polarity Protection

Specially designed compartment to prevent incorrect batteries polarity connection to protect the charger and batteries by damaged.

### 1.3 Charging Indicators

Charging: Red LED on

Fully Charged: Red LED still on

## 2 Electrical Performance and Tests

### 2.1 Charging Unit

Input: DC 5V 1000mA

Output voltage: 4x1.4V

Charging Current :

AA: 200mA±10%

AAA: 100mA±10%

## 3 Mechanical Tests and Requirements

### 3.1 Drop test

Drop from a height of 3 feet onto a concrete floor covered with 1/8 inch vinyl tile. Drop 3 times total, each time on a different product surface. After that, test again the appearance, the insulation function, indicator function and electrical performance.

### 3.2 Surface

Smooth surface, no scratch, flashes, blot and crack. Hardware get no rust, flashes and scratch

### 3.3 Vibration Test

The frequency sweep for each item on different surface is 10 times under the condition of the frequency 10~55HZ and the amplitude 0.35mm. After that, test again the appearance, the insulation function, indicator function and electrical performance.

### 3.4 High Temperature Test

Put the unit, which is without package under the temperature of  $65^{\circ}\text{C} \pm 2^{\circ}\text{C}$  for 5 hours. Take out and keep it under the environment temperature until it cools down. Then test again the appearance, the insulation function, indicator function and electrical performance.

### 3.5 Low Temperature Test

Take out the unit from the package and put it in a temperature of  $-20^{\circ}\text{C} \pm 3^{\circ}\text{C}$  for 8 hours. Take out and keep it under the environment temperature until it becomes the same temperature. Then test again the appearance, the insulation function, indicator function and electrical performance.

### 3.6 Damp Heat Test

Take out the unit from the package and put it in a temperature of  $40^{\circ}\text{C} \pm 2^{\circ}\text{C}$  and the humidity of 90%~95% for 48 hours. Then test again the appearance, the insulation function, indicator function and electrical performance.

## 4 Environmental Conditions

### 4.1 Operating Temperature

$0^{\circ}\text{C}$  to  $40^{\circ}\text{C}$

### 4.2 Storage Temperature

$-20^{\circ}\text{C}$  to  $65^{\circ}\text{C}$

### 4.3 Package Packing:

Clamshell

### 4.4 Transportation

The unit should be protected against raining, watering and strong vibration

### 4.5 Accessories:

DC cord:L=0.5M

## 5 Safety Standards

EN60335-1

EN 60335-2-29

## 6 Product Inspections

### 6.1 Inspections of all products

Charging current (2.1)

LED indicators (1.3)

Surface (3.2)

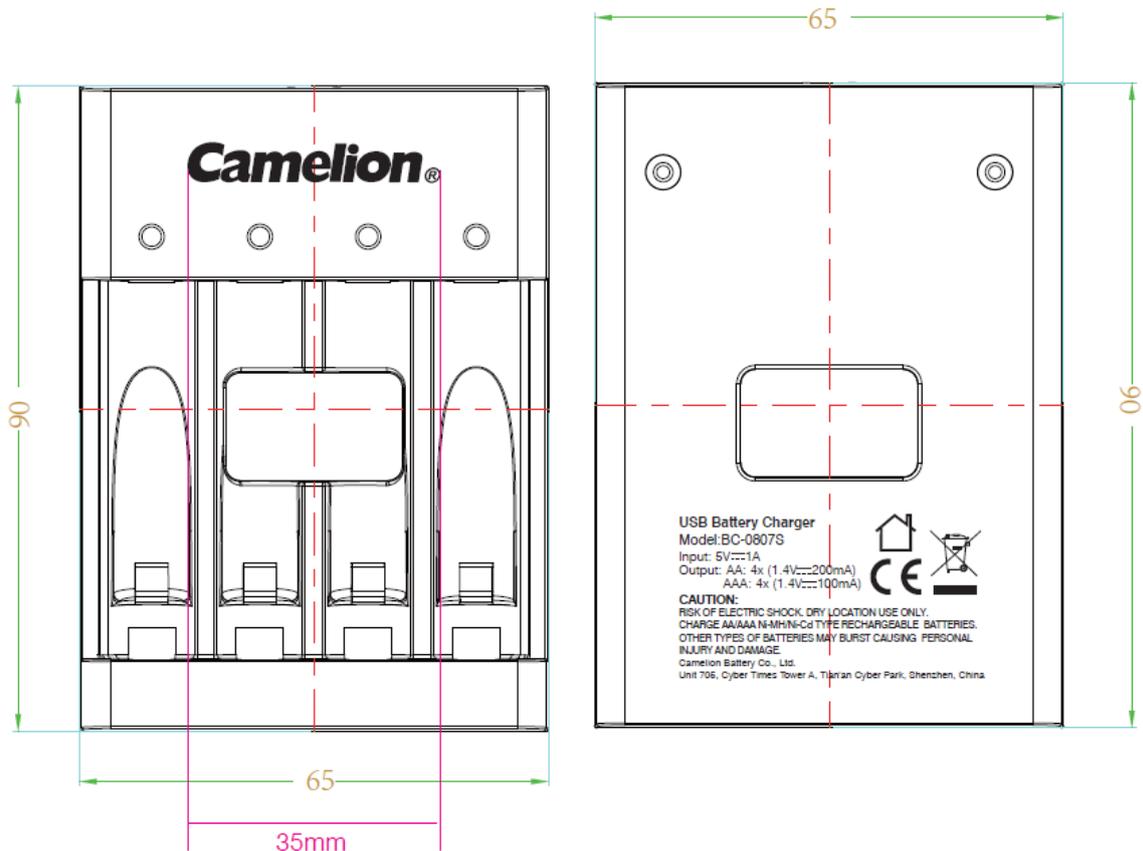
### 6.2 Inspections of selected products

Drop test (3.1)

## 7 Charging Time(App.r)

Battery Type	Battery Capacity	Charging Time
AA Ni-MH	2300mAh	16h
AA Ni-MH	2000mAh	14h
AAA Ni-MH	1100mAh	14h
AAA Ni-MH	800mAh	11h
AA Ni-Cd	1000mAh	6.5h
AAA Ni-Cd	300mAh	3.5h

## 8 Drawings



## 9 Cautions

- This charger is for indoor use only. Always keep it dry and avoid exposure to even light moisture.
- This charger is intended for use with CAMELION rechargeable Nickel Metal Hydride (Ni-MH) and Nickel Cadmium (Ni-Cd) batteries.
- Do not charge non-rechargeable batteries (e.g. zinc-carbon, alkaline, lithium), as this may cause personal injury, and damage to the charger.
- Do not operate this charger with a damaged plug or cable.
- Do not repair this charger and/or the batteries under any circumstances.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.