

# AA/AAA Battery Charger

## for Ni-MH/Ni-Cd Rechargeable Batteries

**multicomp**PRO

**RoHS  
Compliant**

### Descriptions

This charger is a new generation designed, developed to meet the demand of power solution for modern consumer electronic products like digital camera, digital music players, radios, radio controlled cars and electronic toys and all other high draining electronic and electrical devices which are normally powered by rechargeable AA or AAA batteries.

Unique design with smart micro-processor allows charging different brands and capacity batteries at the same time and reaching full charge within a short time. It will not cause any bad effect as removing some of batteries individually from the charger while LED indicators turn green. Fast and convenient!

### Specification

|                       |                              |
|-----------------------|------------------------------|
| Input                 | : 100V AC to 240V AC 50-60Hz |
| Output                | : DC 1.5V                    |
| Charging current:     |                              |
| AA × 1                | : 2000mA                     |
| AA × 2                | : 1000mA                     |
| AAA × 1               | : 1100mA                     |
| AAA × 2               | : 550mA                      |
| Dimension             | : 110mm × 65mm × 27mm        |
| Weight                | : 105g without batteries     |
| Operating Temperature | : 0°C-40°C                   |

### Led Indicators

|              |                 |
|--------------|-----------------|
| Red          | : Charging      |
| Green        | : Full Charge   |
| Flashing Red | : Wrong Battery |

### Main Features

- Fast charge! Fully charge batteries within 1 hours depending on battery type and quantity.
- Worldwide input voltage AC100-240V. For easy using in traveling any country.
- 4 individually charging channels allow charging different brands and capacity 1-4pcs AA/ AAA Ni-MH/Ni-Cd rechargeable batteries at the same time.
- High accurately 12 bit A/D smart micro-processor to prevent overcharge in order to increase life span of rechargeable batteries.
- Battery power detection.
- Specific functions of high accurately -Δ voltage detection, overcharge and overheat protection.
- Efficient and safe!
- 4 dual color LED indicators. Just insert batteries in the battery chambers and wait for the LED turn green from red. Simple and easy!
- Charging different brands and capacity AA/AAA Ni-MH/Ni-Cd rechargeable batteries at the same time.
- Detective function for "primary batteries" such as alkaline, carbon zinc batteries or "damaged batteries".
- Meet international standard guarantee.
- Automatically trickle charge after full charge.

### Important Safety Instruction

Misuse may potentially cause electric shock or damage to the charger or serious injury to the user.

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### Operation Instruction

- 4 individually charging channels allow charging different brands and capacity 1-4pcs AA/AAA Ni-MH/Ni-Cd rechargeable batteries at the same time.
- Insert AA or AAA Ni-MH/Ni-Cd rechargeable batteries in the battery chambers. Align the poles [+] and [-] correctly.
- The plug into the household AC electric outlet. The red LED will light up for proper charging.
- (Note: LED indicators won't light up when the voltage of battery is too low or bad contact between charger and battery.)
- LED indicators won't light up when the voltage of battery is too low. At this time, the charger won't charge this kind of battery with large current until the voltage of battery increase to the standard level and LED indicators light up.
- LED indicators turn green after full charge. Trickle charge starts to work after batteries are full charge.  
(The rough charging time is listed in the following section.)
- When LED indicators are flashing red, it means trouble with the battery.
- Possible reasons are:
  - a : Insert the wrong battery, such as alkaline battery.
  - b : The battery may be too old.
- Please remove the charger from power source and remove the wrong battery from the charger.
- Please remove the charger from the power source and then remove the battery from the charger
- after full charge.

### Normal Temperature Range while charging

It is normal for the charger and batteries to generate slightly heat while charging. The temperature gets lower gradually after full charge.

Charger: normal 35 to 50°C

Battery: 35 to 55°C (depending on the brand of battery)

### Note:

Using the batteries outside, the above temperature range may result in declining efficiency and shorten battery service life.

### CHARGING TIME

This charger allows charging any capacity rechargeable batteries. The following capacity is for examples only.

AA 2000mAh

- 1pcs : Around 55mins to 75mins
- 2pcs : Around 110mins to 150mins

AAA 800mAh

- 1pcs : Around 40mins to 55 mins
- 2pcs : Around 85mins to 100 mins

### Part Number Table

| Description                                       | Part Number   |
|---------------------------------------------------|---------------|
| Battery Charger, AA/AAA, 2 or 4 Pair, UK Plug     | QC-650 UK     |
| Battery Charger, AA/AAA, 2 or 4 Pair, Europe Plug | QC-650 Europe |

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