

# LCD Digital Display Universal Charger for Rechargeable Li-ion 3.7V or Ni-MH 1.2V battery

SC-S7

The Charger is designed for Li-ion 3.7V 18650 14500 16340 10440 or Ni-MH 1.2V AA AAA Battery

## Features

Precision end-of-charge voltage detection  
 Floating-charging maintains battery in full charge  
 LCD displays for multi-information, voltage, time, charging percentage, charging capacity, worse battery and bad battery  
 Automatic 3.7V/1.2V battery pack voltage and polarity detection

Over charging timeout protection  
 Auto alert indication for worse battery pack and bad battery pack  
 Power input can use DC12V or Mini-USB DC5V for charging  
 Auto active function for Lithium battery pack open ( 0 Voltage )

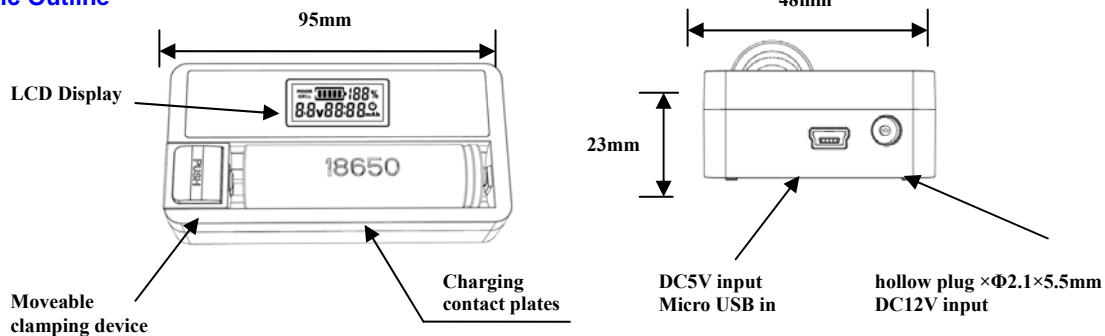
## Specification

**Intelligent auto reverse-connect protection device auto detects the polarity of the inserted battery**

Battery type: Li-ion 3.7V / Ni-MH 1.2V rechargeable battery pack  
 Protection: short circuit, defective battery detection  
 Power Input: 12 VDC 600mA / USB Input: 5VDC 1000mA  
 Charger mode: CC/CV @Li-ion battery,  
 -Delta V @Ni-MH battery  
 Cut-off voltage: 4.2V@3.7V battery,1.4V@1.2V battery

Charging current: 1000mA  
 Standby current: 60mA for 5V input, 100mA for 12V input  
 Operating temperature: 0°C ~ +55°C  
 Storage temperature: -25°C ~ +70°C  
 Size (mm): L95x W48 x H23mm  
 Weight: 54g

## Plastic Outline



## Characteristics

Battery capacity	3.7V Charging time	1.2V Charging time
600 mAh	~ 55 min	~ 55 min
1000 mAh	~ 90 min	~ 90 min
1400 mAh	~ 120 min	~120 min
1800 mAh	~ 155 min	~ 155 min

Maximum charging time: 99 hour 59 minute

Maximum charging capacity: 9999mAh

Conditions	LCD Display
Power on	LCD display shows [Stby] for standby mode
Charging battery	Battery icon and levels running light up
Fully charge	Battery icon and levels stop running and all light on
Bad battery	LCD display shows [FAIL], battery an [POOR CELL] icons flash at the same time
Worse battery	[POOR CELL] icon blinking

## Operating Instruction

The intelligent charger can connect the power from supplied AC power adaptor or adaptor with 5V DC USB output or DC car cigarette lighter adaptor for charging, after power on, LCD display shows [Stby] characters, the charger is on standby mode and can insert a rechargeable battery

The charger has 1 flexible contact plates, which must be adjusted for the chosen rechargeable battery pack.

Ensure that the + and – contacts are chosen.

Slide the contact plates in such a way that they line up with the contacts of the rechargeable battery pack.

The charger will automatically detect the voltage and polarity of the rechargeable battery pack, and auto select a suitable condition for charging.

Once the connecting has been verified by the charger the battery icon and levels of the LCD display will running light up to indicate that the charging process has started, after charging is completed, the battery icon and levels stops running and all light on

If charging after a period, LCD display shows [FAIL] characters and battery icon flash, the rechargeable battery pack may be faulty and need replacing.

If charging after a period, the [POOR CELL] icon of LCD display blinking, the rechargeable battery pack may be a worse battery pack or using a long time period and degraded battery pack.

The charge will turn off automatically when the battery pack is full owing to the function of the microprocessor.

If for any reason the battery pack does not exhibit the right "battery full" characteristics, the integrated safety timer or maximum charging capacity terminates the charging procedure

## Important Safety Instructions

Read all the instructions and cautions before using the charger.

Use rechargeable battery pack ONLY. Using other batteries will void the warranty and cause injury and damage.

Do not use any power adapter or damaged adapter or cord and plug from 3rd parties for charging.

Do not disassemble the charger and power adapter; this may cause electric shock or fire.

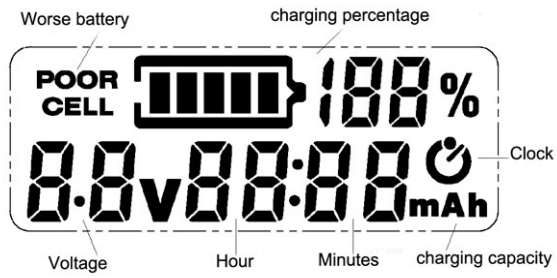
Do not use the charger when it is wet.

Do not leave the battery pack connected to the charger or plate for prolonged period. Remove the battery pack after charging is completed.

Unplug the charger when it is not in use.

Keep batteries away from fire, water, or extreme condition

**LCD Display:**



**Charge display**

