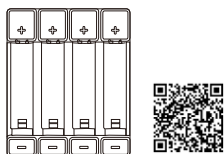


# User Manual

**PROFESSIONAL  
AA/AAA BATTERY CHARGER FOR  
NiMH 1.2V / LiFePO4 3.2V / LI-ION 3.7V / NiZn 1.6V  
RECHARGEABLE BATTERY**

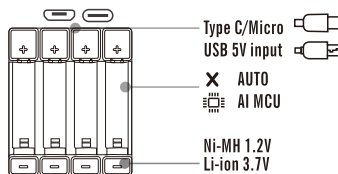


Mode: Chocolate 4

**Soshine**  
An Excellent Power Supplier

## Features

1. Specially designed with 4pcs LED battery indicators
2. Powered by the 2 USB input
3. 4 individual charging channels
4. Intelligent Microprocessor controlled--Batteries life well protected
5. Battery charging status indication
6. Ultra fast charging @5V 2-3A input adaptor



## Safety features

1. Peak voltage cut-off
2. Auto cut-off
3. Short circuit protection
4. Over voltage cut-off protection

## Specification

Battery type: AA/AAA Ni-MH 1.2V, 14500/10440(Li-ion 3.7V/LiFePO4 3.2V)

Input: USB 5V 2A-3A

Output: 800mA\*2(Ni-MH battery), 450mA\*2(Li-ion battery/LiFePO4 battery)

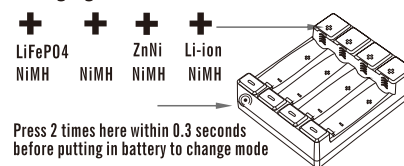
Charging mode: CC/CV@Li-ion/LiFePO4 battery, delta V@Ni-MH battery

Cut-off voltage: 1.4V@Ni-MH battery/4.2V@Li-ion battery/3.6V@LiFePO4 battery

Charger Size (mm): (H x L x W) 95x 70 x 26

Charger Weight: 60g

## Charging mode selection



## How to use

1. Ni-MH batteries,  
Without adjusting the mode, put the battery into the charger and charge it directly.
2. LiFePO4 batteries,  
Change battery charging mode before put battery in channel.
3. Li-ion/ batteries,  
Change battery charging mode before put battery in channel.
4. NiZn batteries,  
Change battery charging mode before put battery in channel.
5. Only for rechargeable 1-4pcs AAA/AA batteries, charging alkaline batteries can explode in serious cases.
6. The external adapter current voltage is USB 5V 2-3A. If adapter charges less than this current, only 1-2 batteries can be charged at the same time.
7. If the charging indicator does not light up, the battery may be non-rechargeable, or the power plug is not connected properly.

## LED indicates



## Important safety instructions

1. Do not reverse charge battery.
2. The charger must be charged in appropriate adaptor only.
3. The charger may become hot when charging, this is normal, use caution when handling.
4. Do not expose or dispose of the charger in fire or immerse in water.
5. Do not disassemble or reassemble the charger.
6. Children should only use the charger under adult supervision.
7. Please use the charger in temperatures between 10-45°C.
8. Batteries in the charger and in the use of the equipment will discharge for a long time not to use electronic equipment, in order to prevent the battery leakage and rust, please remove the batteries from the use of equipment for safe keeping.
9. Non-rechargeable batteries, short-circuited batteries, or polar error batteries can not be recharged.

## Period of Warranty

The period of warranty is one year from the date of shipment. Soshine guarantees to give a replacement in case of cells with defects prevent due to manufacturing process instead of the customers' abuse and misuse.

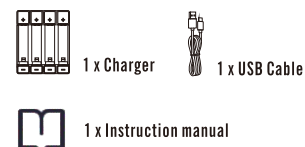
## Charging time table

Battery	Charging time(hrs.)		
	Voltage	Capacity	4pcs
Ni-MH	1.2V	1000mAh	1.5
	1.2V	500mAh	1
Li-ion	3.7V	800mAh	2
	3.7V	350mAh	1
LiFePO4	3.2V	200/700mAh	1/2
NiZn	1.6V	540/300mAh	1

## Troubleshooting

Problem	Cause	Solution
Battery use time is shortened	Poor contact due to difficult-to-identify dirt or the like	wipe battery and charger or machine with a paper towel
	Battery performance is reduced	Replace a new battery
Charging indication does not display	the battery is loaded incorrectly	install the battery correctly
	poor battery contact	wipe the battery and charger with the positive and negative part of paper towel
	bad power plug	Clear the dirt on the power plug, try to change the socket
Charger or battery fever when charging	energy exchange fever when charging is generated	Recharge the battery after the temperature has cooled to room temperature
Charge completion time is far beyond the expected time charging slow progress	charging at high temperatures	prevent the battery from being too hot and temporarily stop charging
	battery at high temperatures	
The charge indication is displayed in advance	depending on the states of the battery's use. It is not unusual	please keep the original state charging

## Package included



Chocolate 4  
Instruction manual



www.soshine.com.cn