



Intelligent Battery Charger

ICH-SC4-V2 USER MANUAL

1. Requirements and Functions:

- 1) With DC input 12V/3A. Every slot can be charged independently and Controlled by microcomputer
- 2) Four charging currents: 500mA/1000mA/1500mA/2000mA.
- 3) LED display can show the charging condition and percent capacity.
- 4) Battery Types: Ni-MH/Ni-CD 1.2V, Li-ion 3.7V (LIR18650, 18490, 18350, 17670, 17500, 16340, 14500, 10440, Ni-MH/Ni-CD: AA, AAA, A, AAAA, SC, C, D size batteries.
- 5) With: over-charge, over-discharge, short-circuit protection, bad battery detection and reverse charging protection.
- 6) Automatically identifies USB output 5V/1000 mA~2100mA (Power Bank function)

2 Description of button, LCD display and function

- 1) "MODE" Button: After connecting power supply, press the button for 3 seconds at any time to adjust the charge currents: 500mA/1000mA/1500mA/2000mA.
- 2) LCD display: When connected with DC12V power supply, the LCD display will be on light immediately, and the charger will finish detecting battery type automatically. If batteries are not inserted into the charging slot, the corresponding slot LCD display will be "null". If batteries are inserted, LCD display will show current parameters of charging, such as voltage and percent capacity (5%, 10%,100%), The content on LCD display is charging voltage and percent capacity (5%, 10% ... 100%); Th battery voltage and capacity content will alternate to show on LCD display every 5 seconds; LCD display will also show selected instantaneous charging current.
- 3) For discharging function, when the external 12V power supply is pulled out and inserting Li-ion batteries, then phones or other electronics are connected with USB port, the charger can automatically identify the output 5V1A ~ 2.1A to charge devices. At this time the screen display "USB 5.00V", the cut-off voltage is 3.0V. The charger will automatically cut off when battery voltage becomes 3.0V; (lithium battery can be used as power bank, Ni-MH battery will be invalid as power bank)
- 4) LED display reference map (To prevail in kind)



3 Technology parameters:

1) Input: DC 12V/3A

2) Output voltage:

Ni-MH/Cd 1.2V 500mA*4, 1000mA*4, 1500mA*3, 2000mA*2

Li-ion 3.7V 500mA*4, 1000mA*4, 1500mA*3, 2000mA*2

USB Output: 5V/(1A~2.1A) \pm 5%; voltage:4.75V~5.25V

Cut off voltage (over-discharging protect): 3.0 \pm 0.1V

4 Charger:

Dimension: (length/width/height): 156*118*40mm

NW: about 220g

5 Package/storage

1) Package: color box packing

2) Storage

This product should be stored at clean, dry and ventilated indoor. The environment temperature should be 0 °C to 40 °C, it also should avoid contacting corrosive nature and be far away from fire and heat.



