

LiitoKala®

Smart Lii-PD4

.....
AC And DC Input / HD LCD Display
Top Safety protections / For 4 Type Batteries



ENGLISH MANUAL

Caution:

1. This charger can charge all cylindrical rechargeable batteries 3.7V Li-Ion , 3.8V IMR, 1.2V Ni MH/Cd, 3.2V LiFePO₄
2. Read this manual before use and pay special attention to the recommended charge current, must avoid to charge battery beyond the recommended current limit
3. If DC input, only **12V 1A** is recommended.
4. Mind heating while charging.
5. Remove the charger from power source after charging complete, and remove the battery from the charger at the same time
6. For indoor use only
7. The displaying data only for reference, The battery capacity (mAh) indicated is only a estimate capacity of energy used for charging. Please refer to professional instrument for more accurate data

Specifications and functions:

1. Multi-power input: AC cable 110-240V 50/60Hz (included)/ 12V 1A adapter(selective), four independent charging and micro computer management system.
2. Charge current intelligent auto-set of total three levels: 500mA /1000mA/2000mA), **2000mA** is fixed only for slot#4.
3. Multi-functional LCD charging display: for charging progress 25% - 50% - 75% -100% , battery types: Ni-MH 1.2V , Li-Fe 3.2V, Li-ion 3.7V, Li-ion 3.80V (IMR), charging capacity, voltage and current: .5A/1A/2A.
4. Identify Li-ion and Ni-MH batteries automatically and adjust manually the charging mode for LiFePO₄ and 3.80V Li-ion batteries(IMR)
5. Refresh for OV battery. It will not charge any battery of **1.65 -2.20V** (refresh current can be detected only)
6. Multi-safety protection function of over-charge and over-discharge, short circuited, polarity reverse and so on. It can smartly identify broken batteries with much more safety.
7. Charging at constant voltage and current



Button and LCD :



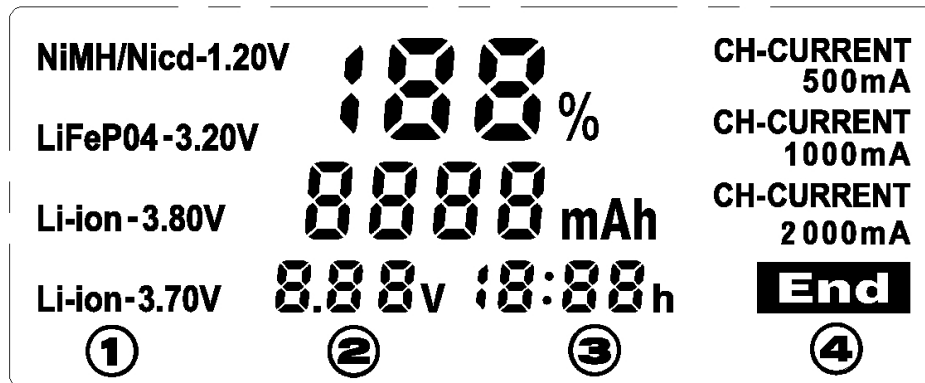
1. Button (Mode): 4 buttons Each button controls one slot. Within 5 seconds after power is put into the battery, click the Mode button of the corresponding slot to select the type of rechargeable battery. When selecting the type of battery to be charged (for example, 3.20V) 3.80V) After 5 seconds, it enters the charging state.
2. LCD: After the charger is connected to the power supply, the LCD display is fully illuminated for 3 seconds. If the battery is not placed in the charging slot, the LCD displays null. The display goes out 30 seconds after no operation.



When a battery is detected, the LCD displays the corresponding slot number, and the battery type symbol (Li-ion-3.70V) flashes. Click the Mode button to select the type of battery to be charged. If not selected, enter after 5 seconds. The battery that is recognized by default is charged.

At this time, the charging display percentage symbol flashes to indicate that charging is in progress, and voltage, capacity, and time are displayed. The percentage is displayed as 100% when charging is completed and End is displayed at the bottom right

LCD display graphic reference:



Electrical Parameters:

1. Input : AC cable 110-240V 50/60Hz (included)/ DC 12V 1A (selective)
2. Output voltage: DC 4.2V for Li-Ion 3.7V
DC 4.35V for Li-Ion 3.8V(IMR)
DC 3.65V for LiFePO4
DC 1.48V for Ni-MH/Ni-Cd
3. Output current: Li-Ion/IMR/LiFePO4 **2000mA*1**(only for **slot#4**),
1000mA*2, 500mA*3 500mA*4
Ni-MH/Ni-Cd: 1000mA*2, 500mA*3 500mA*4
4. Constant voltage, cut-off current: less than 100mA
5. Standby current: less than 15mA

Compatible battery types and sizes

Li-ion / IMR/LiFePO4: **26650, 21700, 20700, 18650, 18490, 18350, 17670, 17500, 16340(RCR123), 14500, 10440**
Ni-MH/Cd: **AA, AAA, SC, C**

Size and weight:

133mm x 100mm x 35mm (L x W x H)
Weight: 175g (not including AC cable)