



# **KP-JL AL EL SERIES LI ION/LI POLYMER BATTERY CHARGER OWNER'S MANUAL**

**KP-JL AL EL 系列锂离子/锂聚合物电池充电器  
使用说明书**



**Please read this manual carefully before use !**

**使用前请仔细阅读说明书**

A. Features:

- 1. Short-circuit Protection; Charger O/P cut-off automatically when short Circuit.
- 2. Overload Protection: Charger O/P current-limited automatically when overload.
- 3. Reverse Polarity Protection: Charger O/P cut-off automatically when battery reverse connection .
- 4. Automatic multi-rate charging function: CC, CV, Shut-off charging.
- 5. Parallel operation available: Parallel with battery as DC power supply operation available.
- 6. 2 LED Display: LED1 Red (power on); LED2 Red (charging); Green (full).

B. Operations:

- 1. Check if your mains supply conforms to charger’ input voltage 110V or 220V. Then connect the charger system to a wall socket strongly.
- 2. Turn on the power switch, which is located on the back panel of charger, LED1 light confirms the AC power on, and the LED2 light confirms that charger stage.
- 3. Connect the plug or connect the DC Output cord to battery terminals (N Positive + ; L Negative - ; Red +ve terminal, Black -ve terminal).

C. Notices:

- 1. JL AL EL Series is designed for charging Li ion/Li polymer batteries. Lead-Acid and Nickel-metal Hydride batteries are available after Adjustment.Charger will turn off automatically if it was not connected to battery for .1-3 minutes after power on ,please start it again.
- 2.The battery maybe damaged if LED2 cannot be changed to green after long time charging.
- 3. Always place the charger in well-ventilated and dry environments.
- 4. The charger is designed by aluminum housing as itself heat sink, don’ t cover The case for avoiding the case over temperature on the case when charging.
- 5.Charger should be power on once a month.
- 6.Subject to change without prior notice,please feel free to contact us for latest information.

D. Packing List:

- |                   |                   |
|-------------------|-------------------|
| • Charger 1       | • User manual 1   |
| • DC Power cord 1 | • AC Power cord 1 |

一. 特点

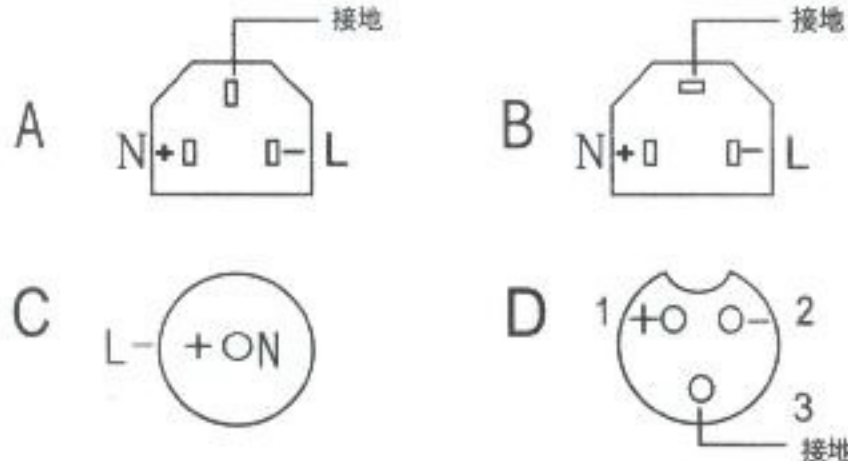
- 1. 短路保护：短路时充电器自动关断；
- 2. 过载保护：过载时充电器自动关断；
- 3. 电池保护：电池反接时，充电器自动关断；(更换保险管)；
- 4. 恒流充、恒压充、自动转换、自动关断无需执守，绝无过充；
- 5. 可与电池并联使用作为直流源供电；
- 6. 双指示灯显示，指示灯1:红灯亮为电源开启，指示灯2:红灯亮为充电中，转绿灯为已充满。

二. 操作

- 1. 先检查电网电压是否与充电器输入电压一致, 再将充电器交流输入端接上交流电源。
- 2. 连接直流输出线到电池，红接正黑接负，如采用插头，则极性见附图。
- 3. 充电时, 将充电器放置于少尘、干燥和通风的环境下；

三. 注意

- 1. KP-JL AL EL 系列充电器为锂电池设计, 铅酸电池、镍氢电池需特别调整参数后方能适用；如通电后1-3分钟不接通电池则本机自动关断输出, 若需使用则将机器重启一次。
- 2. 如果长时间指示灯2不转绿，表明电池此前已损坏，不能继续使用；
- 3. 充电时，将充电器放置于少尘、干燥和通风的环境下；
- 4. 铝质外壳作为散热器，不能被覆盖, 避免过热。
- 5. 本机需一个月通电一次, 以保证充电器能正常工作。
- 6. 产品外型如有变动不另行通知, 请以实物为准。



装箱单：

- |                                 |                                  |
|---------------------------------|----------------------------------|
| • KP充电器 一台                      | • 使用说明书 一份                       |
| • 输出电线 <input type="checkbox"/> | • 输入电源线 <input type="checkbox"/> |