

Cautions:

1. 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. 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. 3. If DC input, only 12V 1A is recommended
4. 4. Mind heating while charging
5. 5. Remove the charger from power source after charging complete, and remove the battery from the charger at the same time
6. 6. For indoor use only
7. 7. The displaying data only for reference, please refer to professional instrument for more accurate data

Specifications and functions:

1. 1. Multi-power input: AC cable 110-240V 50/60Hz (included)/ 12V 1A adapter(selective), four independent charging and micro computer management system.
2. 2. Charge current intelligent auto-set of total three levels: 500mA /1000mA/2000mA), 2000mA is fixed only for slot#4.
3. 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: 0.5A/1A/2A.
4. 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. 5. Refresh for 0V battery. It will not charge any battery of 1.65 -2.20V (refresh current can be detected only)
6. 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. 7. Charging at constant voltage and current

Button and LCD :

1. 1. Button of Mode(Channel button): there are 4 independent buttons separately for each channel. While power supply is connected and battery inserted, 1) Short click the channel button in 5S to change the battery type. It will start to charge 5 seconds after setting the battery type (3.2V or 3.80V), 1.2V Ni-MH and 3.7V li-ion can be detected automatically, so it needs setting only 3.2V and 3.8V batteries;

Note: Battery type can be only selective before charging starts.

1. 2. LCD: While power supply connected, the LCD will light up for 3S: 1) If no battery is inserted, the LCD will display "null" and will be off in 30S 2) When battery is inserted and detected, the LCD will show channel number

while the battery type image “ Li-Ion 3.7V” flashing indicating to set the battery type: this moment if short click the channel button, it can set battery type; if no operation in 5 seconds, it begins by automatic detection (Li-Ion 3.7V or NiMH) then charging percentage image will flash meaning the start of charging. At the same time the LCD displays also charge voltage, capacity, time and current. When charge completes, it will display “100%” mean while it shows “End” on the LCD right down corner.

LCD display graphic reference:

Electrical Parameters:

1. 1. Input : AC cable 110-240V 50/60Hz (included)/ DC 12V 1A (selective)
 2. 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 NiMH/Ni-Cd
 1. 3. Output current: Li-Ion/IMR/LiFePO4 2000mA*1 (only for slot#4),
1000mA*2, 500mA*3 500mA*4
NiMH/NiCd: 1000mA*2, 500mA*3 500mA*4
 1. 4. Constant voltage, cut-off current: less than 100mA
 2. 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
NiMH/Cd: AA, AAA, SC, C
- Size and weight:
147mm x 100mm x 37mm (L x W x H)
Weight: approx 221g (not including AC cable)

充电器说明书 Lii-PD4

一、警告:

1. 此充电器只可以充圆柱锂离子电池 (3.7V, 3.8V), 镍氢/镍镉 (1.2V)、磷酸铁锂电池 (3.2V);
2. 在使用前, 请认真参考说明书, 注意充电电池的推荐充电电流, 不要超过推荐电流充电;
3. 如选择使用 12V DC 适配器, 输出电流需不小于 1A;
4. 充电器充电时可能会发热, 注意不要烫伤;
5. 停止使用时, 请拔掉电源, 拔除电池;
6. 只可以在正常室内使用。
7. 此产品检测数据仅供参考, 实际情况请参照专业仪器。

二、充电器规格及功能:

1. 采用 AC110-240V 50/60Hz 输入 (标配内置电源), 四槽独立充电及微电脑管理系统

2. 充电电流为智能自动选择, 共有 3 档 (500mA /1000mA/2000mA), 2000mA 指定为第 4 槽。
3. LCD 充电显示可显示充电百分比, 电压, 时间, 容量, 还可显电池类型 NiMH 1.2V , Li-Fe 3.2V , Li-ion 3.7V , Li-ion 3.80V (IMR)
4. 可自动识别锂电 (Li-Ion 3.7V) 电池及镍氢 (Ni-MH) 电池, 手动选择磷酸铁理 (LiFePO4) 电池和 Li-Ion 3.80V 电池 (IMR)
5. 有 0V 电压激活功能, 1.65-2.20V 不能充电 (但会有激活电流涓流型式充电)。
6. 有多重安全保护功能如过充, 过放, 短路, 及反接保护等同时可以智能自动识别坏电池;
7. 充电模式: 恒流恒压。

三、按键及显示:

1. 按键 (Mode) :4 个按键每个按键控制一槽, 通电放入电池后 5 秒内, 单击对应槽的 Mode 键可选择充电电池类型, 当选定需要充电电池类型 (例如 3.20V 3.80V) 5 秒钟后进入充电状态。
2. LCD: 充电器接上电源后, LCD 显示器全亮显 3 秒, 如果电池未放入充电槽, LCD 显示 null. 无操作后 30 秒显示器熄灭。当检测有电池时, LCD 显示对应的槽号, 同时电池类型符号 (Li-ion-3.70V) 闪烁, 此时单击 Mode 键可选择所需要充电的电池类型, 如果不选择, 5 秒后进入默认识别的电池进行充电, 此时充电显示百分比符号闪表示充电正在进行, 同时电压, 容量, 时间都有显示。充电完成时百分比显示 100%同时右下方显示 End。LCD 显示参考图如下:

四、电气技术参数:

- 1、输入电源: AC 电源线 110-240V 50/60Hz (标配内置电源) / DC 12V 1A (选配)
- 2、输出电压: DC 4.2V for Li-Ion
DC 4.35V for IMR
DC 3.65V for LiFePO4
DC 1.48V for NiMH/Ni-Cd
- 3、输出电流: Li-Ion/IMR/LiFePO4 2000mA*1 (仅限第四通道), 1000mA*2,
500mA*3 500mA*4
NiMH/NiCd: 1000mA*2,
500mA*3 500mA*4

- 4、恒流, 恒压充电, 截止电流: <100mA;
- 5、空载待机电流:

五、兼容电池种类及型号

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

六、充电器尺寸:

147mm× 100mm× 37mm (长/宽/高)
重量: 221g (不含 AC 电源线)