

Specification of

Smart charger for Dual Li-Ion Button Cells 3.6V LIR 2450



AA Portable Power Corp

AA Portable Power Corp (<http://www.batteryspace.com>)

Address: 860 S, 19th St, Unit A, Richmond, CA, 94804

Tel: 510-525-2328

Fax: 510-439-2808

Email: Sales@batteryspace.com

Prepared & Approved by Louis (01/04/10)

I. Brief introduction

This specification is for **LIR2450 Charger**. **This Charger** is connected with external AC power and used for charging of Lithium battery. This product is designed in full accordance with the standard charge current (0.2-0.5C5A). The purpose of this design is to extend the service life of the battery p. With seven-color changing LED indicator, it can make the charging environment beautiful.

II. Functional Requirement

1. Connected with external AC power can directly be used for charging lithium battery or rechargeable lithium batteries using electrical appliances
2. Available through the USB terminal to charge for lithium batteries using electrical appliances

III. Electrical requirement

1. Rating power Input

Voltage: 110-220V Rating frequency: 50/60Hz Current: less than 80mA

2. Rating USB output

Voltage: 5.0-6.0 V Current: MAX400Ma (For battery with protection circuit module ONLY.)

3. Rating battery port output

Voltage: $4.2 \pm 0.1V$ Current: MAX 200mA

4. LED indicator:

A) AC power charging LED indicator(Seven multi-color LED)

Seven multi-color LED changed flashing: charging

Seven multi-color LED turned Off: charging finished

B) Battery Automatic Identification LED(Red):When battery connected the proper port, the LED is red.

IV. Performance testing

1. Battery charging mode: First it is charging as limited way, until the limited charging voltage it will change into the constant voltage charging automatically.
2. Change light current: $\leq 20mA$
3. Battery charging current (when battery charging voltage is 3.6V): 100-200mA
4. Charging voltage (battery port): $4.2 \pm 0.1V$
5. USB output port: voltage: 5.0-6.0V current: MAX 400mA

V. Security

Comply with national standard GB / T 4943 requirements

Caution: Do not short-circuit output ports of the charger to avoid damage to the charger. Install the battery's negative electrode downward and the positive upward.