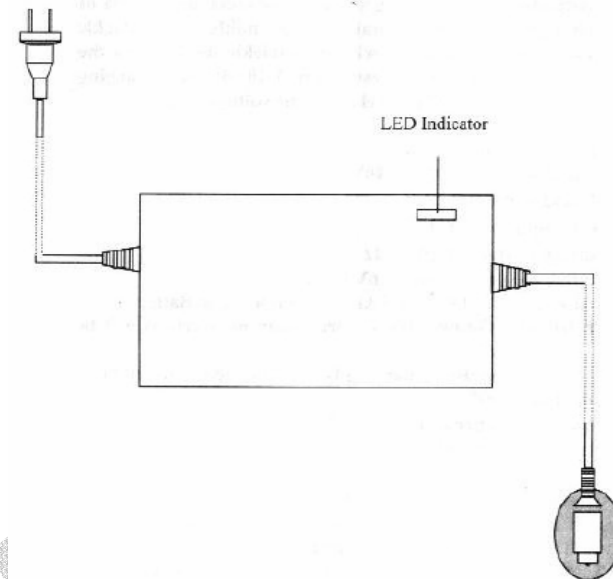


# CH-L14818 Smart Charger (1.8A) for 14.8 Li-ion/Polymer Rechargeable Battery Pack User Manual

## Warning

1. Please read the following instruction carefully before use.
2. Improper using the charger will cause the damage of batteries or possible explosions.

Fig.1: Configuration





**1) Product description:**

CH-L14818 is a UL listed smart battery charger designed to charge 14.8V Li-Ion/Polymer battery with capacity  $\geq 2.2\text{Ah}$ . It uses delta-V technology to monitor and control the charging process.

**2) Features:**

- a) Worldwide input AC power from 100-240V, 50-60Hz, USA AC plug.
- b) LED indicator tells if the battery is charging (Red) or fully charged (Green).
- c) Trickle charging: it switches to maintenance mode when the battery is fully charged.

**3) Operations:**

See Fig.1. LED will be green when the charger is connected to AC only. LED will turn red when a battery is connected to the DC plug and charging. LED will switch to green automatically when the charging is finished (it takes 2-9 hours to finish charging a battery, depends on the capacity of the battery). Disconnect AC plug and DC plug to stop charging.

**4) Technical Specification:**

Rating AC Input: 100-240 VAC 50-60 Hz

Rating Current: 0.4A

Maximum input power: 48W

Rating Output power: 16.8V, 1.8 A

Efficiency:  $>80\%$

Operation Temperature:  $-10^{\circ}\text{C} \sim 40^{\circ}\text{C}$

Operation Humidity:  $< 90\%$

Suit Battery: 14.8V 2.2-8 Ah Li-ion/polymer battery

**5) Notice:**

- a) Use with proper Li-Ion/polymer battery pack only. Please make sure the battery voltage matches what labels on the charger (14.8V). The battery will be damaged or will not be charged if the voltage does not match.
- b) Never charge other types of batteries besides Li-Ion/Polymer.
- c) Please make sure '+' and '-' are connected correctly.
- d) Always place the charger in well-ventilated, dry environment.
- e) Indoor used only, never expose the charger to water such as rain and splash.
- f) Never place the charger near radiator, heat register or similar heat source when in charging.
- g) Do not use this charger if any of the following happens:
  - i) If the power cord or plug is damaged or frayed
  - ii) If liquid has been spilled into the charger
  - iii) If the case of the charger is dropped and damaged
  - iv) If the charger does not behave properly as stated in 3) Operations.