

CH-L1486 Smart Charger (6.0A) 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.

Figure 1



Pin assignment for 14.8V 6.0A Li-Ion smart charger charging terminal



1) Product description:

- a) CH-L1486 is a CE listed intelligent charger designed for 14.8V (4 cells) polymer or cylindrical Li-Ion battery packs with capacity $\geq 6000\text{mAh}$ only.
- b) Terminal Options:
 - i) 4-pin female Cannon plug

2) Features:

- a) Worldwide input AC power from AC100-240V, 50-60Hz, USA AC plugs.
- b) Over Voltage Protection: The output current is limited when an overload (16.8V/6A) is detected.
- c) Output Reverse Protection: The charger will be cut off when the battery polarity is wrongly placed.
- d) Short Circuit Protection: The charger will be cut off automatically when a short circuit is detected.
- e) LED indicates the charging status.
- f) Built in IC to cut off power automatically when the battery is fully charged.
- g) The charger comes with one year warranty.

3) Operations:

- i) Make sure the battery is properly connected on both positive and negative poles as shown in Figure 1.
- ii) LED indicators will be green when connecting AC power plug only, LED will be 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 battery capacity). Disconnect AC plug and DC plug to stop charging.

4) Technical Specification:

Rated AC Input: AC100-240V 50-60 Hz

Maximum input power: 120W

Rating Output power: 16.8V, 6 A

Efficiency; $>90\%$

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

Operation Humidity: $< 90\%$

Suit Battery: 14.8V 6-30Ah Li-ion/polymer battery

5) Notice:

- a) Use with proper type 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 it will not charge if they do not match.
- b) The charger must be connected to AC power first before it starts charging (A red LED must be indicated before connecting the battery to be charged).
- c) Never charge other types of batteries besides polymer and cylindrical Li-Ion.
- c) Always place the charger in a well-ventilated, dry environment.
- fd Indoor used only, never expose the charger to water such as rain and splash.
- e) Never place the charger near radiator, heat register or similar heat source when in charging.
- f) 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.