

CH-L1853 Smart Charger (3.0A) for 18.5V 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:

Charger LED Indicator:

		
AC power on	Off	Green
Battery charging	RED	Off
Battery Full	Off	Green



1) Product description:

- a) CH-L1853 is a CE listed intelligent charger designed for 18V (5 cells) Li-Ion battery packs with capacity $\geq 3000\text{mA}$

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 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.

3) Operations:

- i) Make sure the battery is properly connected on both positive and negative
- ii) Figure 1 shows the change of LED indicators under different charging status
- iii) Charging time for 6400mAh battery pack is about 3.2 hours

4) Technical Specification:

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

Output Voltage: 21VDC

Suit Battery: 18V (5 cells) Li-Ion battery packs with capacity $\geq 3000\text{mA}$

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 (18.5V). 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 Li-Ion.
- d) Always place the charger in a 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.