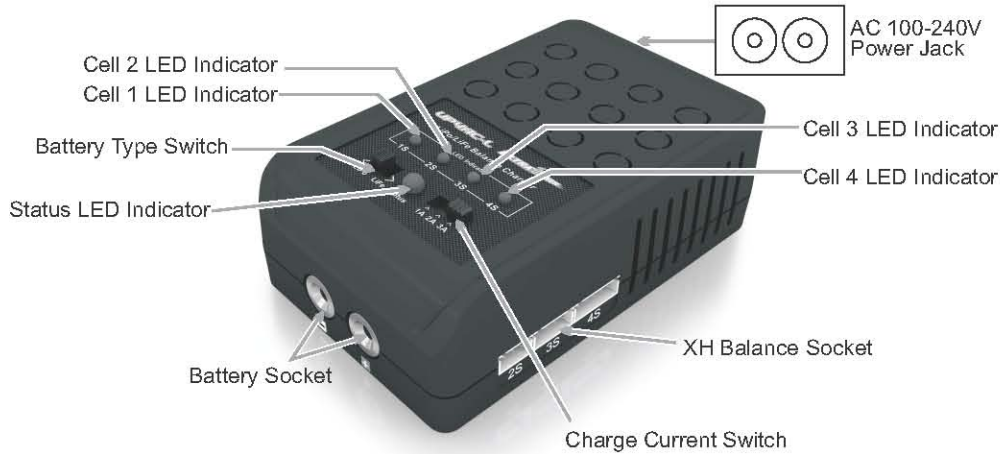


### UP4AC-L 2-4S LiPo/LiFe Balance Charger

#### INTRODUCTION

Thank you for your choice of the UP4AC-L, 100-240V AC balance charger. This unit is simple to use but its operation does require some knowledge on the part of the user. Please read this entire operating manual completely and attentively before using this product, as it covers a wide range of information on operating and safety.

UP4AC-L Charger is an economic, high quality 100-240V AC balance charger, designed for charging LiPo and LiFe batteries from 2-4 cells in balance mode. The circuit power is 20W and max charge current can reach to 3A. There are three different charge current 1A/2A/3A which can be selected. You could select the proper charge current according to battery capacity.



#### CHARGE PROCEDURES

UP4AC-L comes with the built in power supply. You can connect the AC power cord to the AC socket (100-240V AC) directly.

Please refer to following steps to charge the battery,

- 1) Insert the AC power cord into the charger.
- 2) Insert the AC cord into a wall socket (100-240V). All LEDs will light for 1 second and the charge status LED will flash green which indicates the charger is ready to charge.
- 3) Select the battery type LiPo/LiFe by the toggle switch.
- 4) Select the proper charging current 1A/2A/3A by the toggle switch.
- 5) Connect the battery to the charger main battery lead to battery socket and balance wires to balance socket.
- 6) The charger starts charging. The charge status LED and the cell status LED will glow constant red. If the battery pack is 2-cell, Cell 1 and Cell 2 LEDs will glow constant red; if the battery pack is 3-cell, Cell 1, Cell 2 and Cell 3 LEDs will glow constant red; and so on.

- 7) During the charging progress, when the charge status LED glows constant red, the charger is charging in CC mode; when the charge status LED glows constant orange, the charger is charging in CV mode;
- 8) When the cell LED is flashing, this cell is discharging for balancing.
- 9) When the battery is fully charged, the charge status LED will glow constant green.
- 10) Unplug the battery from the charger and the charge status LED will flash green which indicates the charger is ready to charge another battery.

#### CAUTION:

Please use the correct way to connect your battery to the UP4AC-L charger while charging in balance mode. Failure to connect will damage this charger.

The main battery leads must be connected along with the balance lead connector as shown before charging your battery.

#### EXPLANATION OF LED STATUS

Charge Status LED	LED green blinking	The charger is ready to charge.
	LED glows constant red	The charger is charging in CC mode.
	LED glows constant orange	The charger is charging in CV mode.
	LED glows constant green.	The charging process finishes.
Cell Status LED	LED glows constant red.	The cell is charging.
	LED flashes red	The cell is discharging.

#### \* Error Message

If the charger encounters a problem, all LEDs will flash red in sequence to alert you to the errors. In this case, please disconnect the power cord from the wall socket and unplug the battery from the charger.

#### SPECIFICATION

AC Input	100-240V
Battery Type	LiPo/LiFe
Cell Count	2-4 cells
Charge Current	1A/2A/3A ± 10%
Circuit Power	20W
Current Drain for Balancing	200mA
Dimension	110x68x35mm
Weight	220g