

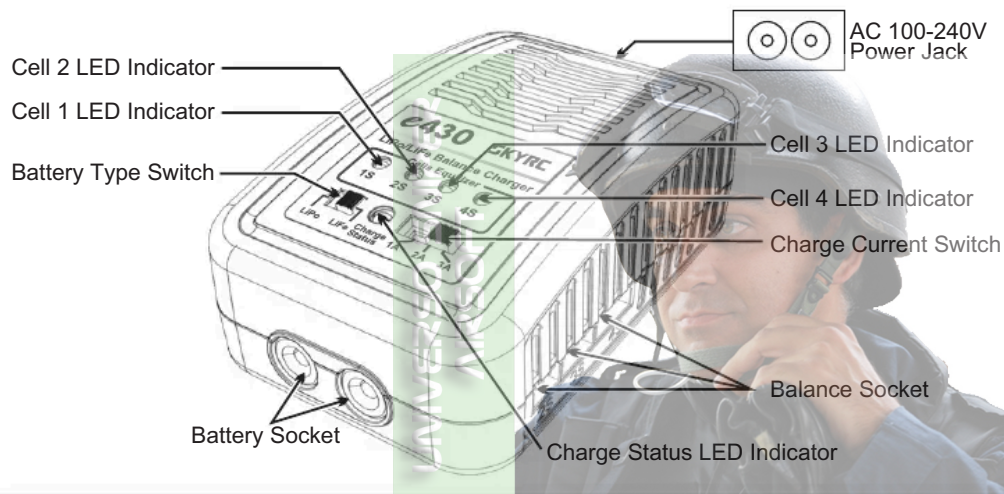
SKYRC e430 INSTRUCTION MANUAL

SK-100107

INTRODUCTION

Thank you for your choice of the SKYRC e430, 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.

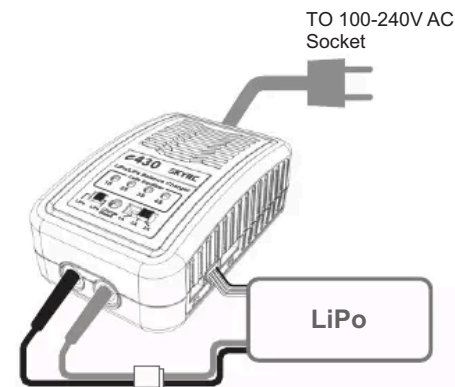
SKYRC e430 Charger is an economic, high quality 100-240V AC balance charger, designed for charging LiPo and LiFe batteries from 2-4 cells in balance mode. The circuit power is 30W and max charge current can reach to 3A. There are three kinds of charge current 1A/2A/3A that can be selected. You could select the proper charge current according to battery capacity.



- 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:

This diagram shows the correct way to connect your battery. Failure to connect as shown in this diagram will damage this charger.



CONNECTION DIAGRAM

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.
Cell Status LED	LED glows constant green.	The charging process finishes.
	LED glows constant red.	The cell is charging.
	LED flashes red	The cell is discharging.

* Error Message

If there is an error, the charge status LED and one of the cell LED will blink in sequence.

LED Status	Error Message
Charge Status LED + Cell 1 LED	The voltage difference among cells is too big (more than 300mV)
Charge Status LED + Cell 2 LED	Wrong connection
Charge Status LED + Cell 3 LED	Low Voltage Protection($\leq 2.5V$)

Cell LED will blink simultaneously

Charge Status Cell 1+2+3+4 LED	The whole charging process exceeds 5 hours.
Cell 1+2 LED	Battery type changed while charging.

In this case, please disconnect the power cord from the wall socket and unplug the battery from the charger.

CHARGE PROCEDURES

SKYRC e430 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 slide switch.
- 4) Select the proper charging current 1A/2A/3A by the slide switch.
- 5) Connect the battery main charge lead to battery socket which is in the front side of the charger and battery balance wire to balance port which is in the right side of the charger.
- 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;

SPECIFICATION

AC Input	100-240V
Battery Type	LiPo/LiFe
Cell Count	2-4 cells
Charge Current	1A/2A/3A $\pm 10\%$
Cell Terminate Voltage	LiPo: 4.2V $\pm 0.02V$ / LiFe: 3.6V $\pm 0.02V$
Circuit Power	30W
Current Drain for Balancing	200mA
Dimension	69.4x110.7x40.5mm
Weight	193g



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