INSTRUCTION MANUAL

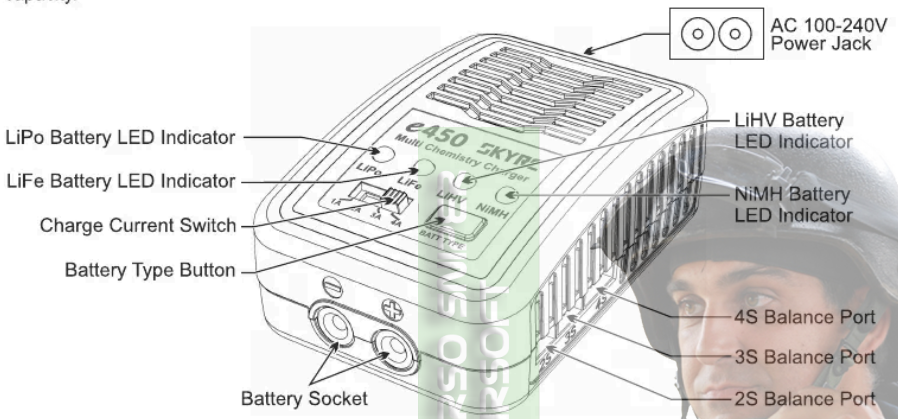
e450 Multi Chemistry Charger SK-100122

SKYRC

INTRODUCTION

Thank you for your choice of the SKYRC e450, 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 e450 Charger is an economic, high quality 100-240V AC balance charger, designed for charging LiPo, LiFe and LiHV batteries from 2-4 cells in balance mode. It can charge 6-8S NiMH batteries also. The circuit power is 50W and max charge current can reach to 4A. There are four kinds of charge current 1A/2A/3A/4A that can be selected. You could select the proper charge current according to battery capacity.

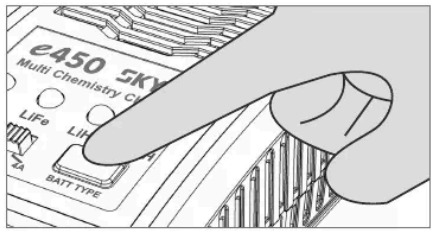


OPERATION

SKYRC e450 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 battery type LED will flash green and red which indicates the charger is ready to charge.
3) Select the battery type LiPo/LiFe/LiHV/NiMH by press "BATT TYPE" button.

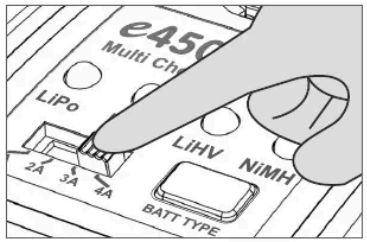


Select Battery Type

4) Select the proper charging current 1A/2A/3A/4A by the slide switch.

The charge current varies from 1A(1000mA) to 4A(4000mA). The recommended charge rate is 1C (battery capacity = charge current). 1C means: capacity value = charge current.

Example: *LiPo cell of 2200mAh Capacity; 1C=2200mA (=2.2A) charge current. You can choose 2A current to charge the battery.*
LiPo cell of 2800mAh Capacity; 1C=2800mA (=2.8A) charge current. You can choose 3A current to charge the battery.



Select Charging Current

5) ***Charging LiPo/LiFe/LiHV Battery***

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.
The charger starts charging. The charge status LED will glow to indicate charging is in progress.

CONNECTION DIAGRAM

CAUTION:
This diagram shows the correct way to connect your battery to the e450 charger while charging in balance mode. Failure to connect as shown in this diagram will damage this charger.

EXPLANATION OF LED STATUS

LED green and red blinking	The charger is ready to charge.
LED glows constant red	Battery capacity is less than 25% charged.
LED blinking red	Battery capacity is between 25% to 50% charged.
LED glows constant yellow.	Battery capacity is between 50% to 75% charged.
LED blinking green	Battery capacity is between 75% to 99% charged.
LED glows constant green	Battery is fully charged.

When the battery is fully charged, the charge status LED will glow constant green. Unplug the battery from the charger and the charge status LED will flash green which indicates the charger is ready to charge another battery.

6) ***Charging NiMH Battery***

Connect the battery main charge
Press and hold "BATT TYPE" but
to indicate charging is in progress

When the battery is fully charged
from the charger and the charge
charge another battery.

WARNING:
Always make sure you ar
Battery under NiMH mode

TROUBLESHOOTING

If there is an error, all four status LI

LED Blinking Times	
1	Connecti wrong co
2	Polarity (of batter
3	Dead cel between
4	Over cur

Once the error condition has been
If the error can not be solved, pleas
battery from the charger.

SPECIFICATION

AC Input	
Battery Type	
Cell Count	
Charge Current	
Cell Terminate Voltage	
Circuit Power	
Current Drain for Balancing	
Dimension	
Weight	

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