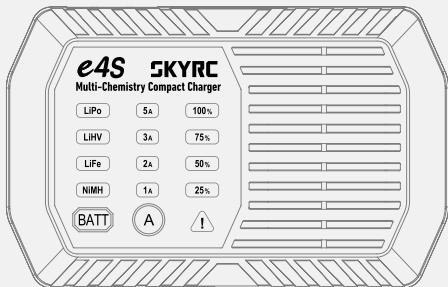


# SKYRC

# Instruction Manual

v. 9



# *e4S*

## Multi-Chemistry Compact Charger

# Getting to know e4S

Thank you for purchasing the SkyRC e4S Charger!

The SkyRC e4S is a cost-effective AC balance charger designed for charging 2-4S LiPo, LiFe, LiHV, and 6-8S NiMH batteries. With a maximum charging power of 60W, it supports a charging current of up to 5A and offers four adjustable current settings: 1A, 2A, 3A, and 5A, allowing you to select the appropriate charging current based on your batter. Please read the product manual carefully before use.

Battery Status Indicator

Battery Type Indicator

Charge Current Indicator

Battery Type Button

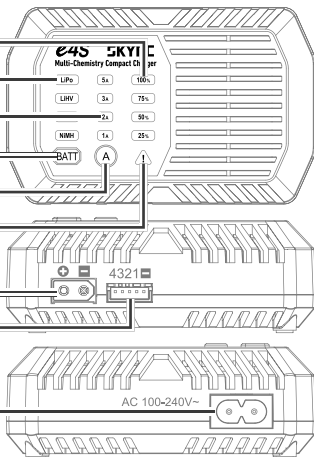
Charge Current Button

Malfunciton Indicator

Main Port

Balance Port

AC Input 100-240V



# Specifications

Input	AC 100V-240V 50/60Hz
Battery Type & Cells	LiPo/ LiHV/ LiFe: 2-4S NiMH: 6-8S
Charging Current	1A/2A/3A/5A
Charging Power	60W
Balance Current	500mA MAX
Charge Cut-off Voltage	LiPo: $4.20V \pm 0.015V/\text{cell}$ LiFe: $3.65V \pm 0.02V/\text{cell}$ LiHV: $4.35V \pm 0.015V/\text{cell}$
Operating Environment	Operating Temperature: $0^{\circ}\text{C} - 40^{\circ}\text{C}$ Operating Humidity: 5% - 75% RH (non-condensing)
Storage Environment	Storage Temperature: $-10^{\circ}\text{C} - 70^{\circ}\text{C}$ Storage Humidity: 5% - 75% RH (non-condensing)
Dimensions	110x70x38mm
Weight	Approx. 169g

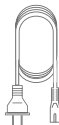
## In The Box



1\*SkyRC e4S Charger



1\*Instruction Manual

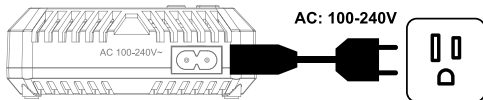


1\*AC Power Cord

# Operation

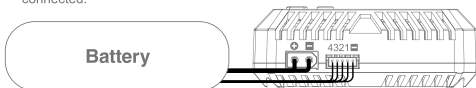
## 1. Connecting to Power Supply

The SkyRC e4S supports AC input with a voltage range of 100–240V AC.



## 2. Connecting the Battery

Ensure both the balance port and the main port of the battery are correctly connected.



## 3. Selecting Battery Type

Short-press the **BATT** button to select the battery type.

## 4. Selecting Charging Current

Short-press the **A** button to choose the charging current.

## 5. Starting Charging

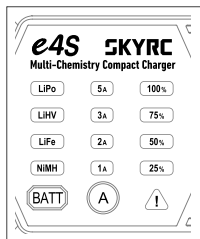
Press and hold the **A** button for 2 seconds to start charging.

## 6. Status Indicators

- During charging: the battery status LED blinks green.
- When charging is complete: the battery status LED remains steady green.

## 7. Stopping Charging

Short-press the **A** button to stop the charging process.



# LED Status Explained

















## Battery Status LED Indicator

LED Status	Explanation
Blinking green	Charging
Solid green	Charging complete

## Malfunction LED Indicator

LED Status	Explanation
Rapid flashing red	Main port connection error
Slow flashing red	Balance port connection error
Solid red	The voltage difference between cells is 600mV

## Battery Status LED Explanation












   	   	   	   
Capacity < 25%	25%≤Capacity < 50%	50%≤Capacity < 75%	75%≤Capacity < 100%
Blinking green	25% light is solid green, and the 50% green light is blinking.	25% and 50% light is solid green, and the 75% green light is blinking.	25%, 50%, and 75% light is solid green, and the 100% green light is blinking.



# Warning

**Please read this manual carefully to ensure safe and proper use.**

**Do not leave the charger unattended while charging. If any abnormalities occur, immediately stop charging.**

-  This charger is not intended for use by persons (include children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction of the appliance by a person responsible for their safety.
-  If the AC power cord is damaged, it must be replaced by the manufacturer, its service agent or similar qualified persons in order to avoid a hazard.
-  This charger is suitable for charging rechargeable LiPo/LiFe/LiHV/ NiMH batteries. Do not attempt to recharge nonrechargeable batteries. Charging other types of batteries may cause fire or explosion.
-  The allowable AC input voltage is 100-240V AC. Never connect it to any other voltage.
-  Both the battery and the charger will generate heat during charging. Please use them in a well-ventilated and safe location.
-  Do not use the charger without supervision.
-  Do not charge damaged or defective batteries.
-  If there are any functional abnormalities, immediately stop charging.
-  Keep the charger away from high temperatures, moisture, rain, and direct sunlight.
-  Do not use or store the charger in high-temperature, humid, or direct sunlight areas.
-  Keep the charger and batteries out of reach of children.

# Conformity Declaration

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e4S satisfies all relevant and mandatory CE directives and FCC Part 15 Subpart B.

Test Standard	Title	Result
EN IEC 55014-1	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission	Conform
EN IEC 55014-2	Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity Product Family Standard	Conform
EN 62233	Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure	Conform
EN IEC 61000-3-2	Electromagnetic compatibility (EMC) – Part 3-2: – Limits for harmonic current emissions (equipment input current up to and including 16 A per phase)	Conform
EN 61000-3-3	Electromagnetic compatibility (EMC) - Part 3-3: Limitation of voltage supply systems for equipment with rated current $\leq 16$ A.	Conform
EN 60335-1	Household and similar electrical appliances - Safety - Part 1: General requirements	Conform
EN 60335-2-29	Household and similar electrical appliances – Safety – Part 2-29: Particular requirements for battery chargers.	Conform
FCC 47CFR Part 15 subpart B	Title 47 Telecommunication PART 15 - RADIO FREQUENCY EVICES Subpart B - Unintentional Radiators	Conform

## Liability Exclusion

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This charger is designed and approved exclusively for use with the types of the battery stated in this Instruction Manual. SkyRC accepts no liability of any kind if the charger is used for any purpose other than that stated. We are unable to ensure that you follow the instructions supplied with the charger, and we have no control over the methods you employ for using, operating and maintaining the device. For this reason we are obliged to deny all liability for loss, damage or costs which are incurred due to the incompetent or incorrect use and operation of our products, or which are connected with such operation in any way. Unless otherwise prescribed by law, our obligation to pay compensation, regardless of the legal argument employed, is limited to the invoice value of those SkyRC products that were immediately and directly involved in the event in which the damage occurred.

# Warranty and Service

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We guarantee this product to be free of manufacturing and assembly defects for one year from the time of purchase. The warranty only applies to material or operational defects, which are present at the time of purchase. During that period, we will repair or replace free of service charge for products deemed defective due to those causes. This warranty is not valid for any damage or subsequent damage arising as a result of misuse, modification, or as a result of failure to observe the procedures outlined in this manual.

## Note

The warranty service is valid in China only.

If you need warranty service overseas, please contact your dealer in the first instance, who is responsible for processing guarantee claims overseas. Due to high shipping cost, complicated custom clearance procedures to send back to China. Please understand SkyRC can't provide warranty service to overseas end users directly. If you have any questions which are not mentioned in the manual, please feel free to send email to [support@skyrc.com](mailto:support@skyrc.com)

The manual is subject to change without notice;  
please refer to our website for the latest version!

**Manufactured by**  
**SKYRC TECHNOLOGY CO., LTD.**

Floors 4, 5, & 8, Building 4, Meitai Technology Park, Guanguang South Road, Guanlan, Longhua District, Shenzhen 518110, China

[www.skyrc.com](http://www.skyrc.com) **Made in China**

