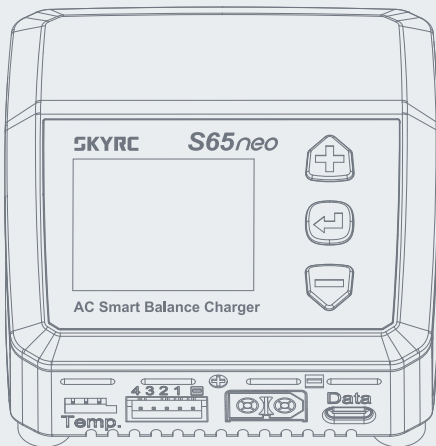


# Instruction Manual

v. 33

**SKYRC**



## ***S65neo***

AC Smart Balance Charger

# Contents

---

|                                    |    |
|------------------------------------|----|
| Introduction .....                 | 01 |
| Warning .....                      | 01 |
| Getting to Know S65neo .....       | 02 |
| Specifications .....               | 02 |
| Standard Battery Parameters .....  | 04 |
| Battery Operations Matrix .....    | 04 |
| Power and Battery Connection ..... | 05 |
| Program Flow Chart .....           | 07 |
| Lithium Battery Program .....      | 09 |
| NiMH/NiCd Battery Program .....    | 11 |
| Pb Lead-Acid Battery Program ..... | 13 |
| DC Power .....                     | 15 |
| Voltage Calibration .....          | 16 |
| Battery Voltage Meter .....        | 16 |
| Battery Resistance Meter .....     | 17 |
| Firmware Upgrade .....             | 17 |
| System Settings .....              | 18 |
| Errors Explained .....             | 19 |
| In The Box .....                   | 19 |
| Conformity Declaration .....       | 20 |
| Regulatory Information .....       | 21 |
| Warranty and Service .....         | 22 |

# Introduction

Thank you for choosing SkyRC S65neo AC Smart Balance Charger!

S65neo features an AC input design with a compact size. As a professional balance charger/discharger, it supports Internal Resistance Measurement and Battery Meter functions, and is equipped with multiple safety protections including automatic charging current limit, capacity limit, temperature protection, charging time limit, as well as short-circuit and reverse polarity protection.

S65neo delivers a maximum charging power of 65W, with a maximum charging current of 10A and a maximum discharging current of 2A. It is powered by a high-performance microprocessor and is compatible with LiHV, LiPo, Li-ion, LiFe, NiCd, NiMH, and Pb batteries. It can also be used as an adjustable DC power supply with an output range of 6V to 17V, meeting a variety of application needs.

Featuring a synchronous rectification circuit design, temperature monitoring, and a cooling system, S65neo provides stable and reliable operation. It is equipped with the ColorX color interface and a responsive menu system, and supports multiple display languages including English, Chinese, Japanese, and German.

Please read the Operating Instructions and Safety Notes carefully before use.

## Warning

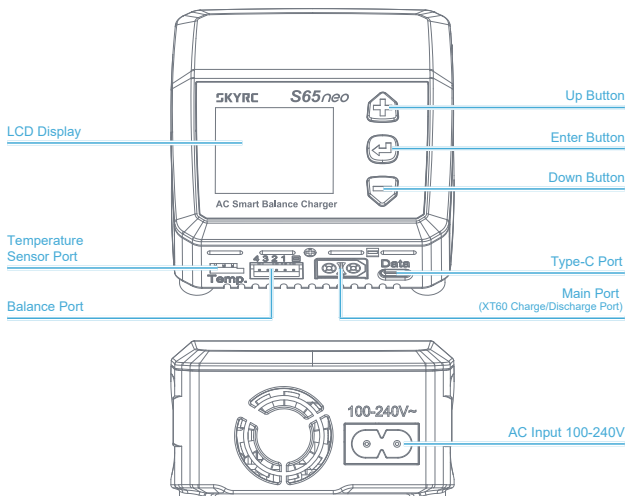
S65neo is not intended for use by individuals with reduced physical, sensory, or cognitive abilities, or by those lacking experience and knowledge with batteries, unless under the supervision or guidance of a responsible person.

Failure to use this product properly and follow the warnings below may result in malfunction, electrical issues, overheating, fire, and could lead to injury or property damage.

-  Never leave charging batteries unattended during use.
-  Never charge batteries overnight.
-  Never attempt to charge dead, damaged, or wet battery packs.
-  Never attempt to charge a battery pack containing different types of batteries.
-  Never charge batteries in extremely hot or cold places or place in direct sunlight.
-  Never charge a battery if the cable has been pinched or shorted.
-  Never connect the charger if the power cord has been pinched or shorted.
-  Never attempt to dismantle the charger or use a damaged charger.
-  Always use the charger with the correct charging and discharging program.
-  Always use only rechargeable batteries designed for use with this type of charger.
-  Never use the charger on car seats, carpets, or similar surfaces.
-  Always operate the charger away from flammable and explosive materials.
-  Warning against recharging non-rechargeable batteries.

SkyRC Technology Co., Ltd. accepts no liability in such cases.

# Getting to Know S65neo



**+ / Up Button:** Increase the value or scroll through the menus/options.

**↵ / Enter Button:** Confirm or terminate the current program, enter Charge Settings, and perform other actions.

**- / Down Button:** Decrease the value or scroll through the menus/options.

## Specifications

|                     |    |                      |
|---------------------|----|----------------------|
| Model               |    | CH005                |
| Input Voltage       | AC | 100V ~ 240V(50/60HZ) |
| Input Voltage Range |    | 90V ~ 264V(47/63HZ)  |
| Charge Power        |    | 65W(±10%)            |

# Specifications

|                        |                       |                                                               |
|------------------------|-----------------------|---------------------------------------------------------------|
| Discharge Power        | Main Port             | 10W( $\pm 15\%$ )                                             |
|                        | Balance Port          | 500mA/MAX/CELL                                                |
| Charge Current         | NiMH/NiCd             | 0.1A ~ 1A( $\pm 0.3A$ )                                       |
|                        | LiHV/LiPo/Li-ion/LiFe | 1.1A ~ 10A( $\pm 10\%$ )                                      |
|                        | Pb                    | 0.8A ~ 1A( $\pm 0.3A$ ); 1.1A ~ 10A( $\pm 10\%$ )             |
| Discharge Current      | NiMH/NiCd             | 0.1A ~ 1A( $\pm 0.3A$ )<br>1A ~ 2A( $\pm 10\%$ )              |
|                        | LiHV/LiPo/Li-ion/LiFe |                                                               |
|                        | Pb                    |                                                               |
| DC Power               | Voltage               | 6V-17V ( $\pm 5\%$ )                                          |
|                        | Current               | 0.5A~9A( $\pm 10\%$ )                                         |
|                        | Power                 | 65W( $\pm 10\%$ )                                             |
| Balance Current        | LiHV/LiPo/Li-ion/LiFe | MAX 500mA                                                     |
| Trickle Charge Current | NiMH/NiCd             | 100mA $\pm$ 150mA                                             |
| Battery Types          | NiMH/NiCd             | 6 ~ 8CELL                                                     |
|                        | LiHV/LiPo/Li-ion/LiFe | 2 ~ 4CELL                                                     |
|                        | Pb                    | 3/6P(6/12V)                                                   |
| Working Modes          | NiMH/NiCd             | Charge/Re-Peak/CYCLE_C_D/CYCLE_D_C/Discharge                  |
|                        | LiHV/LiPo/Li-ion/LiFe | Balance CHG/Charge/Storage/Discharge                          |
|                        | Pb                    | Normal/AGM Charge/Cold Charge/Discharge                       |
| Language               |                       | 简体中文/English/日本語/Deutsch/Français/Español<br>Default: English |
| Working Environment    | Temperature           | 0°C ~ 40°C                                                    |
|                        | Humidity              | 5% ~ 75%RH, non-condensing.                                   |
| Storage Environment    | Temperature           | -10°C ~ 70°C                                                  |
|                        | Humidity              | 5% ~ 75%RH, non-condensing.                                   |
| Size                   |                       | 84X84X45.3mm                                                  |
| Weight                 |                       | 200g                                                          |



# Standard Battery Parameters

|                                      | LiPo                 | Li-ion               | LiFe                 | LiHV                 | NiMH                | NiCd                | Pb                   |
|--------------------------------------|----------------------|----------------------|----------------------|----------------------|---------------------|---------------------|----------------------|
| <b>Nominal Voltage</b>               | 3.7V/cell            | 3.6V/cell            | 3.3V/cell            | 3.8V/cell            | 1.2V/cell           | 1.2V/cell           | 2.0V/cell            |
| <b>Charge Voltage</b>                | 4.15V-<br>4.25V/cell | 4.05V-<br>4.25V/cell | 3.58V-<br>3.70V/cell | 4.25V-<br>4.50V/cell | N/A                 | N/A                 | 2.30V-<br>2.75V/cell |
| <b>Storage Voltage</b>               | 3.75V-<br>3.90V/cell | 3.70V-<br>3.85V/cell | 3.25V-<br>3.40V/cell | 3.85V-<br>3.95V/cell | N/A                 | N/A                 | N/A                  |
| <b>Allowable fast charge current</b> | ≤ 1C                 | ≤ 1C                 | ≤ 1C                 | ≤ 1C                 | ≤ 1C                | ≤ 1C                | ≤ 0.4C               |
| <b>Discharge Voltage</b>             | 3.0-<br>3.4V/cell    | 2.60-<br>3.70V/cell  | 2.60-<br>3.00V/cell  | 3.10-<br>3.50V/cell  | 0.60-<br>1.00V/cell | 0.60-<br>1.00V/cell | 1.80V-<br>2.00V/cell |

Select the correct operating procedure based on the battery's specifications.  
Incorrect settings could cause the battery to overheat, catch fire, or even explode.

## Battery Operations Matrix

This table lists all the operations that S65neo can perform based on the battery type.

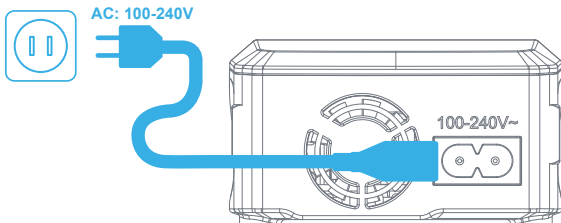
| Battery Type                   | Working Mode | Description                                                                                                                                      |
|--------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| LiHV<br>LiPo<br>Li-ion<br>LiFe | Balance CHG  | This mode is to balance charge the lithium battery according to the user-defined charging rate. It ensures each cell of the battery is balanced. |
|                                | Charge       | This mode charges the lithium battery based on the selected charging rate.                                                                       |
|                                | Storage      | This mode stores the battery via charging or discharging its voltage to a specific storage value.                                                |
|                                | Discharge    | This mode is to discharge the lithium battery based on the selected discharging rate.                                                            |
| NiMH<br>NiCd                   | Charge       | This mode charges the NiMH/NiCd battery based on the selected charging rate.                                                                     |
|                                | Re-Peak      | In Re-Peak mode, the charger automatically peaks the battery twice in a row. This helps ensure the NiMH/NiCd battery is fully charged.           |
|                                | Cycle_C_D    | A cyclic and continuous process of 1 to 3 charge > discharge cycles can be used to refresh and restore the performance of NiMH/NiCd batteries.   |
|                                | Cycle_D_C    | A cyclic and continuous process of 1 to 3 discharge > charge cycles can be used to refresh and restore the performance of NiMH/NiCd batteries.   |
|                                | Discharge    | This mode is to discharge the NiMH/NiCd battery based on the discharging rate selected.                                                          |

| Battery Type | Working Mode | Description                                                                                   |
|--------------|--------------|-----------------------------------------------------------------------------------------------|
| Pb           | Normal       | This mode charges the Pb battery based on the selected charging rate.                         |
|              | AGM Charge   | This mode charges the AGM battery based on the selected charging rate.                        |
|              | Cold Charge  | This mode charges the Pb battery under a low temperature based on the selected charging rate. |
|              | Discharge    | This mode is to discharge the Pb battery based on the selected discharging rate.              |

## Power and Battery Connection

### 1. Connecting to a Power Source

S65neo supports AC input. The input voltages is: AC: 100-240V



### 2. Connecting the battery

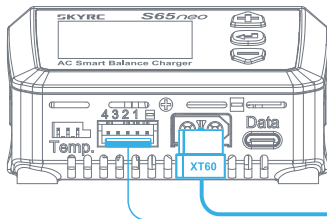


#### **WARNING!**

TO AVOID SHORT CIRCUITS, ALWAYS POWER THE CHARGER FIRST THROUGH THE AC PORT AT THE BACK, THEN CONNECT THE BATTERY TO THE CHARGE PORT AT THE FRONT. WHEN DISCONNECTING, REVERSE THE SEQUENCE.

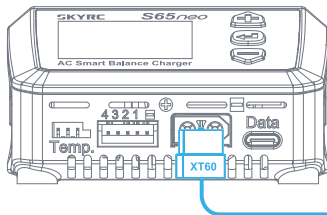
### Lithium Battery Connection with Balance Adapter:

- For safety reasons, it is highly recommended to charge Lithium batteries (LiPo, Li-ion, LiFe, and LiHV) using Balance CHG mode, unless the battery lacks a balance wire.
- Ensure that the balance wire is connected to the charger, with the black wire aligned with the negative marking. Check the polarity to ensure the correct connection!



LiPo Battery

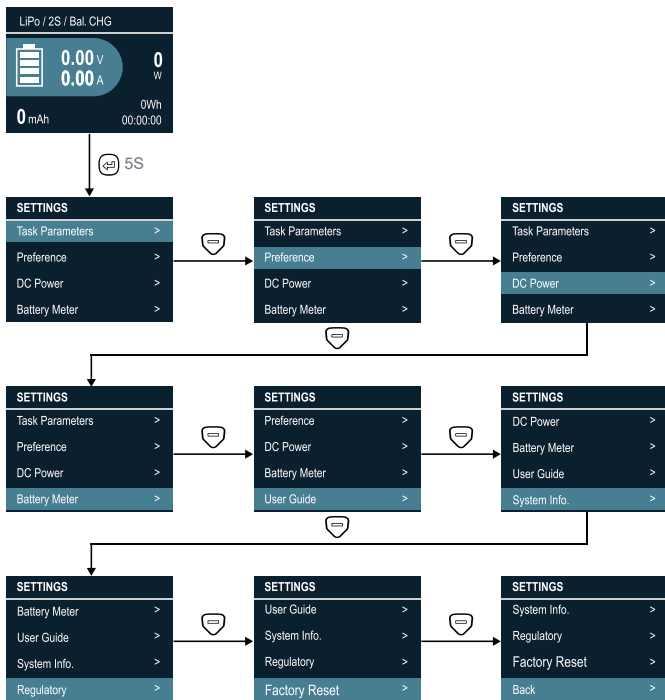
### NiMH/NiCd or Pb Battery Connection:



NiMH Battery



## Program Flow Chart

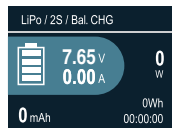


# Lithium Battery Program

(LiPo/LiFe/Li-ion/LiHV)

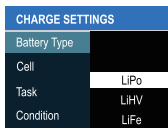
Here is a flowchart to guide you through setting up the program.

**Note: Do not connect the battery before turning on the charger!**



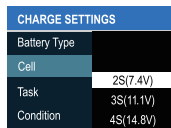
## Enter Charge Setting

Press Enter button to enter Charge Settings.



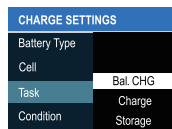
## Select Battery Type

Press Enter button to call out the Battery Type menu, and select your preferred lithium battery type.



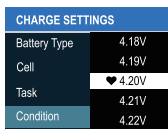
## Set Battery Cells

Call out the Battery Cell menu, and select the battery cells correspondingly.



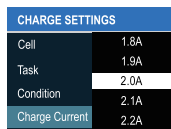
## Select Task

Call out the Task menu, and select your desired working mode.



## Select Condition

Call out the Condition menu, and adapt the cut-off voltage to the demand.



## Select Charge Current

Call out the Charge Current menu, and adapt the charge current to the demand.



# Lithium Battery Program

(LiPo/LiFe/Li-ion/LiHV)

| CHARGE SETTINGS |      |
|-----------------|------|
| Task            | 38°C |
| Condition       | 39°C |
| Charge Current  | 40°C |
| Temp. Cut-off   | 41°C |
| Temp. Cut-off   | 42°C |



| CHARGE SETTINGS |       |
|-----------------|-------|
| Condition       | 4.20V |
| Charge Current  | 2.0A  |
| Temp. Cut-off   | 40°C  |
| Start           |       |



| CHARGE SETTINGS |      |
|-----------------|------|
| Charge Current  | 2.0A |
| Temp. Cut-off   | 40°C |
| Start           |      |
| Back            |      |



## Temperature Cut-off Setting

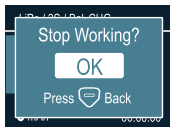
Call out the Temperature Cut-off menu, and set temperature protection thresholds.

## Start

Confirm to initiate the program.

## Back

Confirm to step back to the main interface.



## Stop

To terminate the current program, press Enter button once.

# NiMH/NiCd Battery Program

Here is a flowchart to guide you through setting up the program.

|                                                                                  |                  |          |
|----------------------------------------------------------------------------------|------------------|----------|
| NiMH / 6S / Charge                                                               |                  |          |
|  | 7.87 V<br>0.00 A | 0 W      |
| 0 mAh                                                                            | 0Wh              | 00:00:00 |

## Enter Charge Setting

Press Enter button to enter Charge Settings.



| CHARGE SETTINGS |      |
|-----------------|------|
| Battery Type    | LiFe |
| Cell            | LiHV |
| Task            | NiMH |
| Condition       | NiCd |
|                 | Pb   |

## Select Battery Type

Press Enter button to call out the Battery Type menu, and select NiMH or NiCd.



| CHARGE SETTINGS |          |
|-----------------|----------|
| Battery Type    |          |
| Cell            | 6S(7.2V) |
| Task            | 7S(8.4V) |
| Condition       | 8S(9.6V) |

## Set Battery Cells

Call out the Battery Cell menu, and select the battery cells correspondingly.



| CHARGE SETTINGS |           |
|-----------------|-----------|
| Battery Type    |           |
| Cell            |           |
| Task            | Charge    |
|                 | Re-Peak   |
| Condition       | C-D Cycle |

## Select Task

Call out the Task menu, and select your desired working mode. (For Re-Peak, you must set the rest times appropriately.)



| CHARGE SETTINGS |        |
|-----------------|--------|
| Battery Type    | -4ΔmV  |
| Cell            | -5ΔmV  |
| Task            | ♥-6ΔmV |
|                 | -7ΔmV  |
| Condition       | -8ΔmV  |

## Select Condition

Call out the Condition menu, and adapt the cut-off voltage to the demand.



| CHARGE SETTINGS |      |
|-----------------|------|
| Cell            | 1.8A |
| Task            | 1.9A |
| Condition       | 2.0A |
| Charge Current  | 2.1A |
|                 | 2.2A |

## Select Charge Current

Call out the Charge Current menu, and adapt the working current to the demand.



# NiMH/NiCd Battery Program

| CHARGE SETTINGS |      |
|-----------------|------|
| Task            | 38°C |
| Condition       | 39°C |
| Charge Current  | 40°C |
| Temp. Cut-off   | 41°C |
| Temp. Cut-off   | 42°C |



| CHARGE SETTINGS |       |
|-----------------|-------|
| Condition       | 10Min |
| Charge Current  | 11Min |
| Temp. Cut-off   | 12Min |
| Rest Time       | 13Min |
| Rest Time       | 14Min |



| CHARGE SETTINGS |       |
|-----------------|-------|
| Condition       | 4.20V |
| Charge Current  | 2.0A  |
| Temp. Cut-off   | 40°C  |
| Start           |       |



## Temperature Cut-off Setting

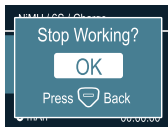
Call out the Temperature Cut-off menu, and set temperature protection thresholds.

**For Re-Peak, you must set the rest times appropriately.**

## Start

Confirm to initiate the program.

| CHARGE SETTINGS |      |
|-----------------|------|
| Charge Current  | 2.0A |
| Temp. Cut-off   | 40°C |
| Start           |      |
| Back            |      |



## Back

Confirm to step back to the main interface.

## Stop

To terminate the current program, press Enter button once.

# Pb Lead-Acid Battery Program

Here is a flowchart to guide you through setting up the program.

|                                                                                  |                   |          |
|----------------------------------------------------------------------------------|-------------------|----------|
| Pb / 6S / Normal                                                                 |                   |          |
|  | 14.40 V<br>0.00 A | 0 W      |
| 0 mAh                                                                            | 0Wh               | 00:00:00 |

## Enter Charge Setting

Press Enter button to enter Charge Settings.



| CHARGE SETTINGS |      |
|-----------------|------|
| Battery Type    | NiMH |
| Cell            | NiCd |
| Task            | Pb   |
| Condition       |      |

## Select Battery Type

Press Enter button to call out the Battery Type menu, and select Pb.



| CHARGE SETTINGS |           |
|-----------------|-----------|
| Battery Type    |           |
| Cell            | 3S(6.0V)  |
| Task            | 6S(12.0V) |
| Condition       |           |

## Set Battery Cells

Call out the Battery Cell menu, and select the battery cells correspondingly.



| CHARGE SETTINGS |             |
|-----------------|-------------|
| Battery Type    |             |
| Cell            |             |
| Task            | Normal      |
| Condition       | AMG Charge  |
|                 | Cold Charge |

## Select Task

Scroll to Task, call out the menu and scroll to select the working mode.



| CHARGE SETTINGS |         |
|-----------------|---------|
| Battery Type    | 2.38V   |
| Cell            | 2.39V   |
| Task            | ♥ 2.40V |
| Condition       | 2.41V   |
|                 | 2.42V   |

## Select Condition

Call out the Condition menu, and adapt the cut-off voltage to the demand.



| CHARGE SETTINGS |      |
|-----------------|------|
| Cell            | 1.8A |
| Task            | 1.9A |
| Condition       | 2.0A |
| Charge Current  | 2.1A |
|                 | 2.2A |

## Select Charge Current

Call out the Charge Current menu, and adapt the working current to the demand.



# Pb Lead-Acid Battery Program

| CHARGE SETTINGS |      |
|-----------------|------|
| Task            | 38°C |
| Condition       | 39°C |
|                 | 40°C |
| Charge Current  | 41°C |
| Temp. Cut-off   | 42°C |



| CHARGE SETTINGS |       |
|-----------------|-------|
| Condition       | 4.20V |
| Charge Current  | 2.0A  |
| Temp. Cut-off   | 40°C  |
| Start           |       |



| CHARGE SETTINGS |      |
|-----------------|------|
| Charge Current  | 2.0A |
| Temp. Cut-off   | 40°C |
| Start           |      |
| Back            |      |



## Temperature Cut-off Setting

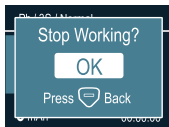
Call out the Temperature Cut-off menu, and set temperature protection thresholds.

## Start

Confirm to initiate the program.

## Back

Confirm to step back to the main interface.

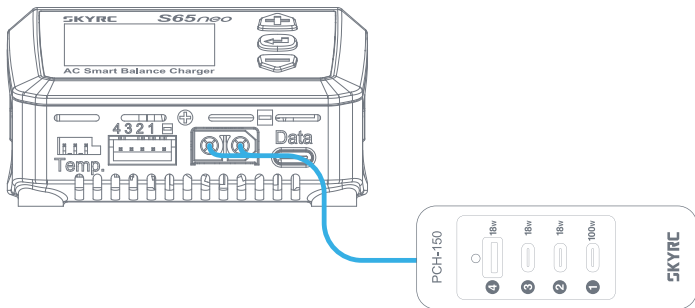


## Stop

To terminate the current program, press Enter button once.

# DC Power

1. On the main interface, hold the Enter button for seconds to enter the System Setting.
2. Select the option of DC Power, then adjust the output voltage and current.
3. Start to activate the power function after setting up.
4. Connect your desired DC device.



## Disclaimer:

The DC power supply function is intended as a supplementary output for RC accessories (e.g., SkyRC Pit Light, Tire Warmer, Tire Sander).

It is not designed to support Capacitive Loads such as RC chargers or power supplies. Improper use may result in product damage or reduced service life.

**Note:** Do NOT use DC mode to charge the battery.

# Voltage Calibration

---

## Entry Method

- 1.Connect the 4S lithium battery to the S65neo, ensuring that you connect to the balance port and the main port.
- 2.On the main page(battery voltage detection page), briefly press the + button to enter the cell voltage page.
- 3.Simultaneously press and hold the Enter and + buttons to enter the calibration page.

## Editing Method

- 1.Press the + button to check the voltage of each cell one by one.
- 2.Press Enter button to select the desired voltage, and adjust the value using the + or - buttons.
- 3.After calibration, press the + button to enter the confirmation option.
- 4.Press and hold Enter button to save the updated values.

## Exit Method

Select Back and short-press the Enter button to exit the calibration interface.

# Battery Voltage Meter

---

## Method 1:

During the charging process, you can view the battery voltage values on the main screen.

## Method 2:

1. After connecting the charger to the power supply, press and hold Enter button on the main screen to enter System Settings.
2. Use the +/- keys to select Battery Meter, then connect the battery to the charger's balance port.
3. Press Enter button to detect the battery voltage.

# Battery Resistance Meter

---

## Method 1:

During the charging process, you can press the + key on the main screen to view internal resistance values of each cell.

## Method 2:

- 1.Connect the charger to the power supply, then press and hold Enter button on the main screen to enter System Settings.
- 2.Use the +/- keys to select Battery Meter, and connect the battery to the charger, ensuring the balance port is connected.
- 3.Press Enter button to measure the internal resistance of the battery.

# Firmware Upgrade

---

1. Launch the Charger Master\*.
2. Connect the S65neo to your computer using a Type-C cable( AC power is not required).
3. Charger Master\* will automatically detect the device.
4. If detected, click to check for firmware updates.
5. If a new version is available, the Update button will appear.
6. Click Update and wait for the process to complete.

## WARNING!

The upgrade process takes approximately 5 minutes.  
**DO NOT power off or exit the program!**

# System Settings

On the main interface, hold Enter button for seconds to enter the System Settings.

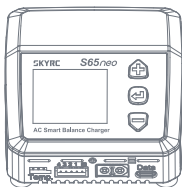
| Menu            | Option          | Definition                                                                                                                                                |
|-----------------|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Task Parameters | Safety Timer    | Customize a period for program protection.                                                                                                                |
|                 | Max.Capacity    | Customize the maximum capacity.                                                                                                                           |
|                 | Trickle Charge  | Enable/disable trickle charge.                                                                                                                            |
|                 | Keep Voltage    | Enable/disable holding voltage.                                                                                                                           |
|                 | Float           | Start/Stop the float charging of Pb battery.                                                                                                              |
|                 | Back            | Back to the previous interface.                                                                                                                           |
| Preference      | Language        | Select your desired system language.                                                                                                                      |
|                 | LCD Backlight   | Adjust the brightness of the screen.                                                                                                                      |
|                 | Screen Timeout  | Adjust/Turn off the screen time of the display.                                                                                                           |
|                 | Keypress Beep   | Adjust/Turn off the volume of the keypress beep.                                                                                                          |
|                 | Notify Beep     | Adjust/Turn off the volume of the notify beep.                                                                                                            |
|                 | Completion Tone | Choose the way you'd like to be reminded when the program completes. If Repeat is chosen, the charger will play the completion signal every half an hour. |
|                 | Warning         | Enable/disable boot warning.                                                                                                                              |
|                 | Temp. Unit      | Switch Temperature Unit.                                                                                                                                  |
| DC Power        | Back            | Back to the previous interface.                                                                                                                           |
|                 | Voltage         | Set the output voltage. (6-17V)                                                                                                                           |
|                 | Current         | Set the output current. (0.5-9A)                                                                                                                          |
|                 | Start           | Enable DC power output and return to the main interface.                                                                                                  |
| Battery Meter   | Back            | Back to the previous interface.                                                                                                                           |
|                 | N/A             | Measure the battery voltage and internal resistance. Press +/- button to exit.                                                                            |
|                 | User Guide      | Scan the QR code to access the user manual.                                                                                                               |
|                 | System Info     | Check the current system information. Press Enter button to exit.                                                                                         |
| Regulatory      | N/A             | Check the certification information.                                                                                                                      |
| Factory Reset   | N/A             | Restore to the factory settings.                                                                                                                          |
| Back            | N/A             | Back to the main interface.                                                                                                                               |

# Errors Explained

In case of a fault, the S65neo will display an error message indicating issues like connection problems or battery mismatches. Refer to the table below for troubleshooting based on the error code.

| Error Message                      | Explanation                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------|
| Battery Type Error!                | The battery type is wrong!                                                            |
| Cell Count Error!                  | The cells do not match!                                                               |
| Time Limit!                        | Charge/Discharge time exceeds the Safety Timer limits set in the system setting.      |
| Capacity Limit!                    | Charge/Discharge capacity exceeds the MAX. Capacity limits set in the system setting. |
| Cell Volt Diff!                    | The voltage difference between each cell is high!                                     |
| Fully Charged!                     | The battery is fully charged already!                                                 |
| Connection Break!                  | The battery connection is broken!                                                     |
| Overload Protection!               | The charger is overloaded!                                                            |
| Int.Temp.Too High!                 | The internal temperature is high!                                                     |
| Battery Temp. Too High!            | The battery temperature is too high!                                                  |
| Battery voltage too low to charge! | Charging cannot start due to low battery voltage.                                     |

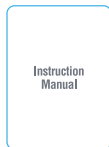
## In The Box



SkyRC S65neo AC  
Smart Balance Charger\*1



AC Power Cord\*1



Instruction Manual\*1

# Conformity Declaration

S65neo satisfies all relevant and mandatory CE directives and FCC Part 15 Subpart B.

| Test Standard        | Title                                                                                                                                                  | Result  |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------|
| EN 55014-1           | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus - Part 1: Emission                         | Conform |
| EN 55014-2           | Electromagnetic compatibility – Requirements for household appliances, electric tools and similar apparatus – Part 2: Immunity Product Family Standard | Conform |
| EN 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 |
| EN 62233             | Measurement methods for electromagnetic fields of household appliances and similar apparatus with regard to human exposure                             | Conform |
| FCC Part Subpart 15B | Title 47 Telecommunication PART 15 - RADIO FREQUENCY DEVICES Subpart B - Unintentional Radiators                                                       | Conform |

# Regulatory Information

---



This symbol means that you must dispose of electrical from the General household waste when it reaches the end of its useful life. Take your charger to your local waste collection point or recycling centre. This applies to all countries of the European Union, and to other European countries with a separate waste collection system.



---For indoor used only.

## FCC Note:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications or change to this equipment. Such modifications or change could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

To maintain compliance with FCC's RF exposure guidelines, this equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body.

# Warranty And Service

---

## Liability Exclusion

This charger is designed and approved exclusively for use with the types of 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 that 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 which were immediately and directly involved in the event in which the damage occurred.

## Warranty and Service

We guarantee this product to be free of manufacturing and assembly defects for a period of 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:

1. The warranty service is valid in China only.
2. 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 costs, and complicated custom clearance procedures to send back to China, please understand that SkyRC can't provide warranty service to overseas end users directly.
3. If you have any questions which are not mentioned in the manual, please feel free to send an email to [info@skyrcc.com](mailto:info@skyrcc.com)



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



**<https://www.skyrc.com>**

If you have any questions about this document, please contact  
SkyRC by sending a message to **[support@skyrc.com](mailto:support@skyrc.com)**

SKYRC ® is a trademark of SkyRC Technology Co., Ltd.

© 2026 SkyRC Technology Co., Ltd.