

## NEO专用 充电管家说明书

### 产品简介

本充电管家专为NEO无人机电池量身打造，集成自动检测技术，智能识别并同时高效给电池充电。

### 产品特点

- 1.功能丰富：兼容满电、储电模式；
- 2.操作简单：即插即用；
- 3.体积小便于携带；
- 4.电池充电便捷；
- 5.隐蔽式散热孔设计，兼顾散热与防止异物直接进入。

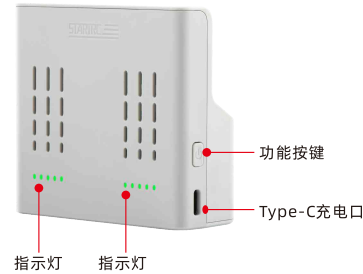
### 规格参数

产品型号：NEO-E01  
产品颜色：灰色  
产品尺寸：86\*75.5\*31mm  
产品重量：63g  
包装尺寸：144\*92\*32mm  
包装重量：122g  
充电方式：连接 Type-c  
充电时间：约33分钟（该数据在室内无干扰环境下，使用 45W充电头测得）

充电方式：两块电池并充（建议使用45W或以上充电器）  
Type-C输入：5V-15V MAX 45W  
电池仓输出：8.6V/2.6A\*2  
充电环境温度：0℃至 45℃  
工作环境温度：-10℃至 45℃  
本页面所展示的各项参数，均在正常环境下测得，在不同的外部环境、使用方式下，结果或有不同程度的差异，请以实际体验为准。

### 部件介绍

- 1.功能按键；
- 2.指示灯；
- 3.Type-c充电口



### 功能说明

#### 功能模式说明：

- 1.满电模式（出厂默认设置）：设备保持在最高充电效率，持续为接入的电池提供至满电状态。
- 2.存储模式：接入电源并长按按键3秒即可激活，所有指示灯同时闪烁五次。此模式下，设备将自动调整至维持电池电量在60%的最佳存储状态，有效延长电池寿命。当检测到电池电量低于60%时自动充电至60%即停止，电量高于60%则不进行充电。

**保护功能：**设备内置多重安全保护机制，包括过充保护、过热保护、短路保护及过压保护，全方位保障使用过程中的电池安全。

**推荐充电器：**45W或以上充电器。

### LED显示说明

#### 充电状态灯(跑马灯显示)

LED1	LED2	LED3	LED4	LED5	电 量
					96%-100%
					75%-95%
					50%-74%
					25%-49%
					0-24%

#### 查看电量状态

LED1	LED2	LED3	LED4	LED5	电 量
					90%-100%
					80%-89%
					70%-79%
					60%-69%
					50%-59%
					40%-49%
					30%-39%
					20%-29%
					10-19%
					0%-9%
					电池未接入

### 错误状态灯

LED1	LED2	LED3	LED4	LED5	高温保护

**进入存储模式：**长按功能按键

充电座1、充电座2所有LED灯闪烁五次

**退出存储模式：**长按功能按键

充电座1所有LED灯闪烁五次

### 操作方式

**1.模式切换：**在充电管家通电状态下，长按按键3秒即可轻松实现模式切换，仅限于在满电模式与存储模式之间循环选择，满足不同充电需求。

### 常见问题及处理方式

**电池无法充电时，请检查以下情况：**

- 1、请将电池牢固插入底部；
- 2、电池用完后不久温度升高时，会自动禁止充电；
- 3、检查电池温度是否过低；
- 4、建议使用45W以上的PD充电器，否则充电速度会很慢。

**低温保护：**

电池温度	充电状态	解决方案
温度<7℃	充电状态低温度电池保护，无法充电。	电池预热
8℃<温度<15℃	(0.5A-2.0A) 涪流充电	1.使用适配器<15w 2.电池预热
温度>16℃	正常充电	

电池预热方法:将电池插入无人机约两分钟，只需打开电池，无需起飞。

**高温保护：**

电池在充电过程中，禁止拔电池，否则会出现保护机制，自动禁止充电；

当电池温度超过55℃时，会自动禁止充电。

**处理方式：**拔掉电源或电池，待温度降下来后再进行充电或静待十分钟后可自动恢复充电。

### 产品清单

NEO 专用充电管家\*1

充电线\*1

说明书\*1

### 注意事项

- 1.未激活电池需要放入原装充电管家或无人机上进行充电激活电池；
- 2.充电时，请将充电管家平稳放置在通风良好的地方，避免用任何物品覆盖，以确保其正常散热，防止过热；
- 3.禁止对表面有破损、凹陷或变形的电池进行充电。这些损坏可能导致电池短路，进而引发火灾等安全事故；
- 4.本充电管家仅限室内使用，远离雨水、雪水等潮湿环境。暴露在高湿环境中可能导致短路或损坏；
- 5.请勿尝试私自分解、修理或组装充电管家。非专业人员操作可能导致触电、短路或其他安全隐患。如需维修，请联系官方授权服务中心；
- 6.长时间不使用的电池应存放在阴凉、干燥、通风的地方，避免阳光直射和高温环境。建议定期为电池充电以保持其活性。

### 免责声明

感谢您购买STARTRC NEO 专用充电管家，在使用该产品之前，请仔细阅读本声明，一旦使用，即被视为对本声明全部内容的认可和接受。请严格按本说明书使用该产品，并务必重视注意事项。因用户不当使用造成的任何损失，我司将不承担任何责任。



## 产品保修卡

尊敬的用户：

您好!感谢您购买**斯达飞**科技有限公司的产品,为了更好的为您服务,在购买产品后,请认真阅读、填写并妥善保管好此保修卡。

产品名称		规格型号	
保修日期		订单编号	
用户 名		联 系 人	
联系电话		购买日期	
用户地址			
维修记录	日期	故障原因及处理情况	



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### • 保修说明

产品若出现质量问题需要维修时,请把此保修卡与所购产品一起妥善寄回我公司提供售后维修处。

### • 注意事项

- 1、自您选购本产品签收首日起,凡按照使用说明书安装使用,一年内出现非人为质量问题,我们提供免费维修,寄回运费需客户自行承担,一年后维修只收取维修工本费。
- 2、非本公司产品质量原因引起的质量问题,如使用不当,保管不妥,擅自拆机等原因造成的损坏,本公司维修收取维修工本费。
- 3、本产品实行一年保修。

### Product Description

Specifically designed for the NEO drone battery,integrating automatic detection technology to intelligently recognize and efficiently charge the battery simultaneously.

### Product Features

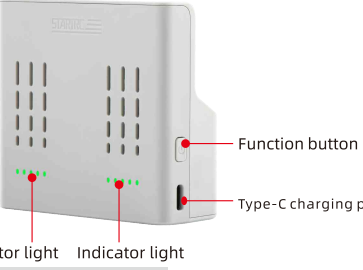
- 1.Multi-function:Compatible with full-charge and storage modes;
- 2.Easy to operate:Plug and charging ;
- 3.Compact and portable;
- 4.Convenient for battery charging;
- 5.Concealed ventilation hole design, balancing heat dissipation while preventing foreign objects from entering the charging hub.

### Product parameters

Model:NEO-E01  
Color: Gray  
Product size:86\*75.5\*31mm  
Product weight:63g  
Package size:144\*92\*32mm  
Package weight:122g  
Charging port:Type-C  
Charging time:Approximately 33 minutes (measured in an indoor, interference-free environment using a 45W charger)  
Charging method: Dual battery charging (It is recommended to use a charger of 45W or higher)  
Input: 5V-15V,MAX 45W  
Output: 8.6V/2.6A\*2  
Charging environment temperature:0 C to 45 C.  
Operating environment temperature:-10 C to 45 C.  
The parameters displayed on this page are measured under normal conditions. Results may vary to some extent depending on different external environments and usage methods. Please refer to actual experience for accurate results.

### Component Introduction

- 1.Function button
- 2.Indicator light
- 3.Type-C charging port



### Function Description

#### Function mode description

- 1.Full Charge Mode (Factory Default Setting):The device maintains the highest charging efficiency,continuously supplying power to the connected battery until it reaches full charge.
- 2.Storage Mode: Connect to power and press and hold the button for 3 seconds to activate.All indicator lights will flash five times simultaneously.In this mode,the device will automatically adjust to maintain the battery at the optimal storage level of 60%,effectively extending battery life. When the battery level drops below 60%,it will automatically charge to 60% and then stop.If the battery level is above 60%,no charging will occur.

**Protection Features:** The device is equipped with multiple safety mechanisms,including overcharge protection,overheat protection, short circuit protection, and overvoltage protection, ensuring comprehensive battery safety during use.

**Recommended Charger:**45W or higher charger.

### LED display instructions

#### Charging status light (Running light display)

LED1	LED2	LED3	LED4	LED5	Battery Level
					96%-100%
					75%-95%
					50%-74%
					25%-49%
					0-24%

#### Check battery level

LED1	LED2	LED3	LED4	LED5	Battery Level
					90%-100%
					80%-89%
					70%-79%
					60%-69%
					50%-59%
					40%-49%
					30%-39%
					20%-29%
					10-19%
					0%-9%
					No battery

#### Error status light

LED1	LED2	LED3	LED4	LED5	Overtemperature protection

**Enter Storage Mode:** Press and hold the function button. All LED lights on Charging Dock 1 and Charging Dock 2 will flash five times.

**Exit Storage Mode:**Press and hold the function button. All LED lights on Charging Dock 1 will flash five times.

### Operating mode

**1.Mode Switching:**With the charging hub powered on, press and hold the button for 3 seconds to easily switch between modes.This function allows you to toggle between Full Charge Mode and Storage Mode,meeting different charging needs.

### Common problems and solutions

**If the battery is not charging, please check the following:**

- 1.Ensure the battery is securely inserted into the bottom ;
- 2.Charging will be automatically prohibited if the battery temperature rises shortly after use;
- 3.Check if the battery temperature is too low;
- 4.It is recommended to use a PD charger of 45W or higher; otherwise, the charging speed will be very slow.

#### Low Temperature Protection:

Battery Temperature	Charging Status	Solution
Temperature < 7 C	Low temperature battery protection, charging not possible.	Battery preheating
8℃ < Temperature < 15℃	Trickle charging (0.5A-2.0A)	1. Use adapter < 15W 2. Battery preheating
Temperature > 16℃	Normal charging	

Battery Preheating Method: Insert the battery into the drone for about two minutes. Simply power on the battery without needing to take off.

**High Temperature Protection:**

During charging, removing the battery is prohibited, as it will trigger the protection mechanism and automatically stop charging;

When the battery temperature exceeds 55 C, charging will be automatically stopped.  
**Solution:** Unplug the power or remove the battery, and wait for the temperature to decrease before resuming charging.  
Alternatively, you can wait for 10 minutes, after which charging will automatically resume.

### Product list

NEO Charging Hub\*1  
Charging Cable\*1  
Manual\*1

### Cautions

- 1.Unactivated battery,it needs to be placed in the original charger or the drone to charge and activate the battery ;
- 2.When charging,Place the charging hub on a stable, well-ventilated surface and avoid covering it to prevent overheating;
- 3.Do not charge batteries with damaged, dented, or deformed surfaces. Such damage may cause short circuits, leading to fire or other safety hazards;
- 4.This charging hub is for indoor use only. Keep it away from rain, snow, or other humid environments. Exposure to moisture may cause short circuits or damage;
- 5.Do not attempt to disassemble, repair, or assemble the charging hub on your own. Unauthorized handling by non-professionals may result in electric shock, short circuits, or other safety hazards. For repairs, please contact an authorized service center;
- 6.Batteries that are not in use for an extended period should be stored in a cool, dry, and well-ventilated place, away from direct sunlight and high temperatures. It is recommended to charge the battery periodically to maintain its activity.

### Disclaimer

Thank you for purchasing the STARTRC NEO Charging Hub. Before using this product, please carefully read this statement. By using the product, you acknowledge and accept all the contents of this statement. Please use the product strictly according to the user manual and pay close attention to the precautions. Our company will not be liable for any losses caused by improper use by the user.



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