

Defender 25



充电适配器使用指南

Charge Adapter User Guide

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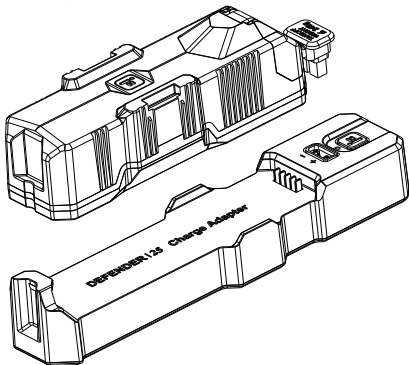
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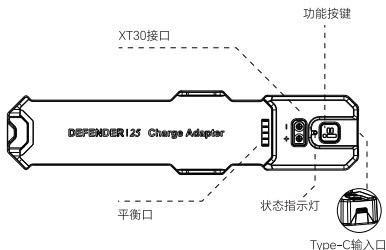
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一：充电器概述



简介

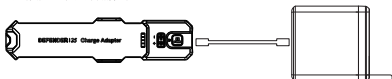
为 Defender 25 电池设计的专用充电适配器，无需额外的调节与繁杂的设置，即可实现即插即用，具有快速充电与储存放电功能；最高支持 45W 充电功率，支持 PD 和 QC 主流快充协议，可调节 25W 与 45W 充电功率，适配 Defender 25 550mAh 4S 与 Defender 25 900mAh 4S 电池，适合各阶段玩家使用，具有轻巧收纳，操作简单，携带便捷的优势。

产品特点

1. 为 Defender 25 机型设计的专用充电适配器，即插即用，无需额外调节设置。
2. Type-C 接口支持 PD 和 QC 主流快充协议输入。
3. 无风扇设计，安静无噪音。
4. 最大 500mA 平衡电流。
5. 支持 25W 与 45W 充电，适配 Defender 25 550mAh 4S 与 Defender 25 900mAh 4S 电池。
6. 轻巧收纳，操作简单，携带便捷。
7. 支持储存模式功能，可将电池充电或放电至单片 3.85V。
8. 完成充电任务后，充电器会自动停止充电。

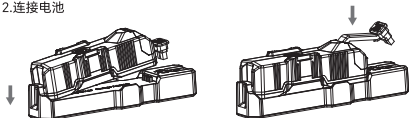
二：使用操作

1.连接充电头与数据线



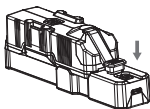
注：充电头功率需要大于Defender 25 充电适配器的功率，才能发挥充电器全部性能(推荐使用iFlight 100W便携充电头)。

2.连接电池

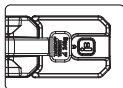


❶ 先把电池尾部插入卡位

❷ 连接平衡口，注意不要插歪！

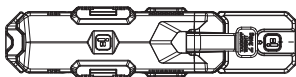


❸ 连接XT30接口



❹ 绿灯或蓝灯呼吸，代表充电中

三：模式切换及按键操作



短按：
切换充电功率

长按：
切换充电/储存模式

四：状态指示灯及描述

指示灯颜色及闪灯方式	描述
 绿色常亮	25W档位充电任务完成
 绿色呼吸	25W档位电池充电中
 蓝色常亮	45W档位充电任务完成
 蓝色呼吸	45W档位电池充电中
 黄色常亮	储存模式任务完成
 黄色呼吸	储存模式工作中
 红灯闪烁	电池异常，停止充电

五：免责声明与警告

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六：注意事项

- 1.此充电适配器仅适用于 Defender 25 550mAh 4S与Defender 25 900mAh 4S 电池充电。请勿使用此充电器为其他任何型号电池充电。
- 2.使用此充电适配器为电池充电时，推荐配合iFlight 100W 或iFlight 30W便携充电头，或其他支持 USB PD、QC 快充协议的 USB 充电器。
- 3.使用时请将此充电适配器平稳放置，并注意绝缘及防火。
- 4.充电过程中请勿遮盖电池及充电适配器，否则将影响散热。
- 5.请勿用手或其他物体触碰或短接金属端子，避免引起短路。
- 6.若金属端子附着异物，请用干布擦拭干净。
- 7.请勿在潮湿或极寒环境下使用。
- 8.完成充电或储存任务后，请将电池取下，避免长时间连接电池。
- 9.禁止在易燃易爆品附近使用该产品。禁止在飞机，轮船，火车，高铁，地铁等交通工具上使用该产品。
- 10.在使用该产品过程中，如发现异常，或过热现象，请立即停止使用，并联系经销商或购买店铺进行售后处理。

七：规格参数

产品型号	Defender 25 充电适配器
适用电池	Defender 25 550mAh 4S与 Defender 25 900mAh 4S电池
适用充电头与协议	推荐配合iFlight 100W 或iFlight 30W便携充电头， 或其他支持 USB PD、QC 快充协议的 USB 充电器
工作环境温度	5℃至40℃
输入	5-20V
输出电流	3.1A (MAX)
平衡电流	500mA
产品尺寸	145*35*27mm
产品重量	50g

八：充电时间

电池型号	充电档位	输入电压	充电时间
Defender 25 550mAh 4S	25W	5V	约65分钟
	25W	9V	约33分钟
	25W	12V	约23分钟
	25W	15V	约18分钟
	25W	20V	约14分钟
	45W	20V	约8分钟
Defender 25 900mAh 4S	25W	5V	约95分钟
	25W	9V	约53分钟
	25W	12V	约39分钟
	25W	15V	约29分钟
	25W	20V	约24分钟
	45W	20V	约14分钟

注：

- 1.必须大于15V才能开启45W档位充电，低于或等于15V时能触发45W档位，但功率会受限。
- 2.输入功率需要满足充电器设置的功率，才能发挥充电器的所有性能。

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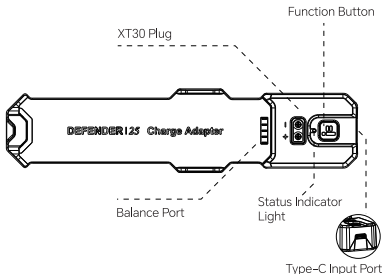
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Overview



Introduction

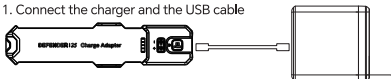
This charge adapter is designed for the Defender 25 battery and can be plug and play without any additional adjustments or complicated settings. It features fast charging and storage discharge functions. Supports up to 45W charging power, PD and QC fast charging protocols, 25W and 45W adjustable charging power. Suitable for Defender 25 550mAh 4S and 900mAh 4S batteries. It has the advantages of being lightweight, easy to store, simple to operate and convenient to carry.

Features

1. Exclusive charge adapter for Defender 25, plug and play, no additional adjustment and setting required.
2. Type-C connector supports PD and QC fast charging protocols input.
3. No-fan design, quiet and noiseless.
4. Maximum 500mA balanced current.
5. Supports 25W and 45W charging, compatible with Defender 25 550mAh 4S and 900mAh 4S batteries.
6. Lightweight, easy to store, simple to operate and convenient to carry.
7. Supports storage mode function, can charge or discharge the battery to a single cell voltage of 3.85V.
8. The charger will stop charging automatically when the charging is completed.

Operation

1. Connect the charger and the USB cable

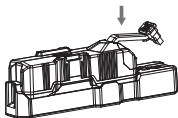


The power of the charger needs to be greater than that of the Defender 25 charge adapter in order to fully utilize the performance of the charger.
(Recommended to use with the iFlight 100W portable charger)

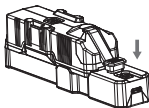
2. Connect the battery



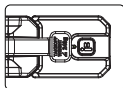
- 1 Put the tail of the battery into the buckle.



- 2 Connect the balance port, please insert carefully!

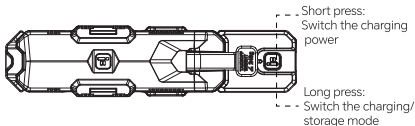


- 3 Connect the XT30 plug.



- 4 Green light or blue light breathing indicates it's charging. ● ●

Mode Switching And Button Operation



LED Indicators Status And Descriptions

Indicator colour and flashing mode	Description
 Green light always on	Battery is fully charged in 25W mode
 Green light breathing	Battery is charging in 25W mode
 Blue light always on	Battery is fully charged in 45W mode
 Blue light breathing	Battery is charging in 45W mode
 Yellow light always on	Storage mode completed
 Yellow light breathing	Storage mode in progress
 Red light flashing	Battery is abnormal, please stop charging

Disclaimer and Warning

This product is a multi-rotor aircraft, equipped with powerful motors and sharp propellers, has fast flight speed, but also has a certain hazard when operating, need to be used with caution. This product is not a toy and requires some basic knowledge to control, so please pay special attention to the warnings and cautions before you start using it. iFlight reserves the right to update this Disclaimer.

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Warning

Before operating this product, make sure to familiarize yourself with its functions. Failure to operate the product correctly may result in serious injury to yourself or others, as well as damage to the product and property. This is a complex product that requires some basic knowledge and a period of familiarization before it can be used safely. It is not suitable for use by children. Do not use parts that are not supplied or recommended by iFlight, and ensure that the product is installed and used strictly

according to iFlight's guidelines. This guidance document contains instructions for safety, operation, and maintenance. Always carefully read all instructions and warnings in the user manual before assembling, setting up, and operating the product.

Notes

1. This charge adapter is only suitable for charging Defender 25 550mAh 4S and 900mAh 4S batteries. Do not use this charge adapter to charge any other battery type.
2. When using this charge adapter to charge battery, it is recommended to use it with the iFlight 100W or iFlight 30W portable charger, or other USB chargers that support USB PD, QC fast charging protocol.
3. Please place the charge adapter in a stable position and pay attention to insulation and fire prevention when charging.
4. Do not cover the battery and charge adapter during charging, as this will affect heat dissipation.
5. Do not touch or short the metal terminals with your hands or other objects to avoid short circuits.
6. If foreign objects are attached to the metal terminals, please wipe them with a dry cloth.
7. Do not use it in wet or cold environments.
8. After completing charging or storage, remove the battery and avoid connecting it for a long time.
9. It is forbidden to use this product near flammable and explosive materials, and it is forbidden to use this product on airplanes, ships, trains, high-speed rails, subways and other means of transportation.
10. If any abnormalities or overheating occur during the use of this product, please stop using it immediately and contact the dealer or purchase store for after-sales processing.

Specifications

Product model	Defender 25 Charge Adapter
Applicable battery	Defender 25 550mAh 4S and 900mAh 4S
Applicable chargers and protocols	Recommended for use with iFlight 100W or iFlight 30W portable chargers or other USB chargers supporting USB PD, QC fast charging protocols
Working temperature	5°C to 40°C
Input	5-20V
Output current	3.1A (MAX)
Balance current	500mA
Product size	145*35*27mm
Product weight	50g

Charging Time

Battery type	Charging mode	Input voltage	Charging time
Defender 25 550mAh 4S	25W	5V	Approx. 65min
	25W	9V	Approx. 33min
	25W	12V	Approx. 23min
	25W	15V	Approx. 18min
	25W	20V	Approx. 14min
	45W	20V	Approx. 8min
Defender 25 900mAh 4S	25W	5V	Approx. 95min
	25W	9V	Approx. 53min
	25W	12V	Approx. 39min
	25W	15V	Approx. 29min
	25W	20V	Approx. 24min
	45W	20V	Approx. 14min

Note:

1. The 45W charging mode can only be activated when the voltage is higher than 15V. If the voltage is lower than or equal to 15V, the 45W mode can still be triggered but with limited power output.
2. The input power needs to meet the power set by the charger in order to fully utilize all of its charging capabilities.

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