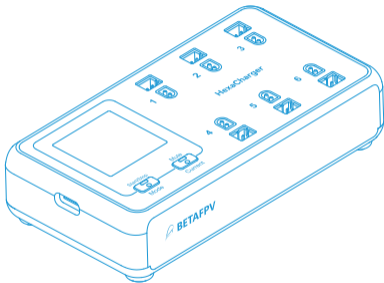


HexaCharger

6通道智能充电器
6-Channels Smart Charger

用户手册 | User Manual



前言

感谢您购买BETA FPV HexaCharger系列充电器。

为保障您的使用安全与优质体验，请务必在使用本产品前仔细阅读说明书与相关警示内容。

产品概述

HexaCharger是一款简约小巧、功能齐全、安全高效的6通道1S充电器系列产品，包含标准功率版的HexaCharger和高功率版的HexaCharger Pro，均支持BT2.0与PH2.0连接器。该系列充电器携带方便、操作简易，集成了充电、存储和数据显示等常用功能，是广大1S Whoop玩家值得信赖的选择。

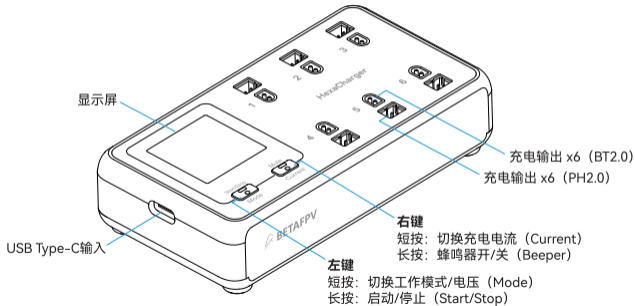
产品规格

产品名称	HexaCharger	HexaCharger Pro
产品型号	CH25A1	CH25A2
输入	5V \equiv 3A(Max)~12V \equiv 2.5A(Max)	5V \equiv 3A(Max)~20V \equiv 5A(Max)
充电电流	1A(Max)(6通道同时工作) 3A(Max)(单通道最大输出)	3A(Max)(6通道同时工作)
充电功率	24W(Max)	78W(Max)

产品名称	HexaCharger	HexaCharger Pro
充电类型	LiPo/LiHV	
输出电压	4.2V/4.35V	
存储电压	3.85V	
放电电流	6×400mA	
充电精度	±0.03V	
输入接口	Type-C	
充电协议	PD 3.0	
输出接口	BT2.0/PH2.0	
产品尺寸	106×56×25.5mm	
工作温度	0~40°C	
产品重量	109g	115g

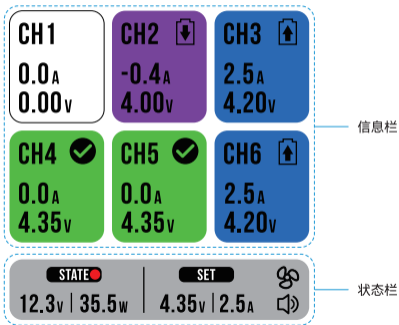
使用说明

按键/接口




功能描述

- 显示屏界面分为信息栏与状态栏。



- 信息栏中包含各6个通道的基本信息和工作状态。

通道名称 **CH3**  工作状态

输出电流 **2.5A**

电池电压 **4.20V**

待机状态-白色

CH1

0.0A

0.00V


充电状态-蓝色

CH3 

2.5A

4.20V

放电状态-紫色

CH2 

-0.4A

4.00V

完成状态-绿色

CH4 

0.0A

4.35V

- 状态栏包含全局信息、设置信息、风扇和蜂鸣器的工作状态。



- 切换工作模式、启动/停止、过热警告时，状态栏会显示相应提示。



使用方法

- 为发挥充电器的最佳性能，建议使用支持PD3.0协议的适配器，HexaCharger推荐适配器的输出功率不低于30W，HexaCharger Pro推荐适配器的输出功率不低于100W。
- 接入适配器等待充电器自动开机，然后将电池插入对应的BT2.0或PH2.0接口。
- 充电
 - 短按充电器左键选择与电池对应的充电模式，如LiHV (4.35V) 或LiPo (4.2V) ，
 - 短按充电器右键设置充电电流，可调范围为0.5A至3A，请勿使用超过电池推荐的充电电流进行充电，
 - 长按充电器左键启动充电，状态栏显示“Start”，运行指示灯开始闪烁，通道信息栏背景变为蓝色。
- 存储
 - 短按充电器左键选择存储模式(3.85V)，
 - 在存储模式下，充电器将根据电池当前电压智能判断执行充电或放电操作，充电电流与用户设定相同，放电电流固定为400mA，
 - 长按充电器左键启动存储模式，状态栏显示“Start”，运行指示灯开始闪烁，同时通道信息栏背景根据工作状态变为蓝色（充电）或紫色（放电）。
- 完成/停止
 - 当充电或存储完成时，通道信息栏背景将变为绿色，
 - 充电或存储过程中，长按左键即可停止运行，状态栏显示“Stop”，运行指示灯熄灭，通道信息栏背景变为白色。
- 开启/关闭蜂鸣器
 - 长按充电器右键开启或关闭蜂鸣器。

使用须知

1. HexaCharger充电器采用6通道连续充电模式，支持热插拔电池，但不支持对单个通道进行独立参数设置。
2. 散热风扇会根据充电器内部温度自动运行，无需人为操作。
3. 充电功率指充电器输出端供给电池的实际功率，非充电器所需的输入功率。
4. 当充电器识别到适配器的输出功率 $\leq 5W$ (5V/1A) 时，将会启用低功率充电策略，按照通道顺序依次对单个通道的电池充电，其他通道则保持待机状态。
5. 当接入非PD协议的适配器时，充电器在自动开机过程中需要更长时间识别和适配协议，请耐心等待5秒之后再操作充电器。

安全警示

- 请勿在无人看管的情况下充电，充电完成后请尽快断开充电设备；
- 使用前必须仔细检查电池外观，严禁使用鼓包、胀气、漏液或出现其他安全隐患的电池；
- 使用前需充分掌握所用电池的规格参数，严禁使用LiHV模式对LiPo电池充电，或使用超过电池推荐的充电电流进行充电，否则可能导致设备损坏、电池故障，甚至引发火灾或爆炸等严重安全事故；
- 使用时请远离易燃易爆物品，请勿遮挡充电器的进气孔与散热孔；
- 使用时请正确区分电池正负极并插入对应的连接器中；
- 本充电器仅支持对1S LiPo/LiHV电池进行充电，请勿对其他类型的电池进行充电；
- 禁止在同一个通道同时使用BT2.0和PH2.0接口进行充电或放电；
- 使用时应避免潮湿、雨水及高温环境，避免阳光直射，远离热源；
- 日常使用及存放时，需防止任何液体与金属屑粒等进入充电器内部，避免受到撞击、跌落或强烈震动；
- 请不要私自拆装产品上的任何部件，若发现充电器出现故障，如指示灯异常、发热异常、充电异常中断等，需立即停止使用，建议联系官方售后排查问题原因；
- 不具备完全民事行为能力或缺乏相关经验和知识的人士（包括儿童）必须在监护人的监督及指导下使用本产品。

Introduction

Thank you for choosing BETAFPV HexaCharger Series Charger.

To ensure your safety and optimal performance, please carefully read the user manual and relevant warnings before using this product.

Product Overview

The HexaCharger series comprises compact, fully-featured, safe, and efficient 6-channel 1S chargers. The standard-power HexaCharger and high-power HexaCharger Pro, supporting both BT2.0 and PH2.0 connectors. This portable, user-friendly series integrates essential functions such as charging, storage, and data display, making it the trusted choice for 1S Whoop enthusiasts.

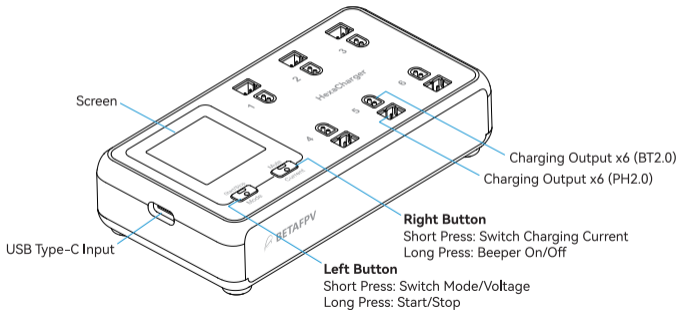
Specification

Feature	HexaCharger	HexaCharger Pro
Model	CH25A1	CH25A2
Input	5V \equiv 3A(Max)~12V \equiv 2.5A(Max)	5V \equiv 3A(Max)~20V \equiv 5A(Max)
Charging Current	1A(Max, All Ports In Use) 3A(Max, Single Port)	3A(Max, All Ports In Use)
Charging Power	24W(Max)	78W(Max)

Feature	HexaCharger	HexaCharger Pro
Supported Battery Type	LiPo/LiHV	
Output Voltage	4.2V/4.35V	
Storage Voltage	3.85V	
Discharging Current	6×400mA	
Charging Accuracy	±0.03V	
Input Port	Type-C	
Charging Protocol	PD 3.0	
Output Connectors	BT2.0/PH2.0	
Size	106×56×25.5mm	
Operation Temperature	0~40°C	
Weight	109g	115g

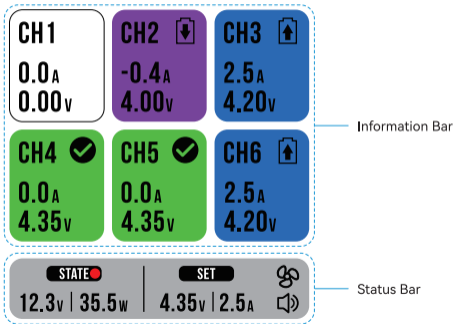
Instruction

Front Panel Overview

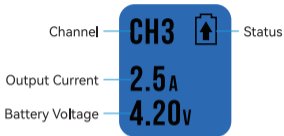


Function

- The display screen is divided into an Information Bar and a Status Bar.



- The information bar displays the basic parameters and operating status for six channels simultaneously.

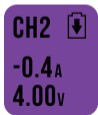


Standby - White

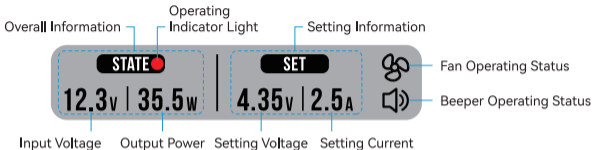
Charging - Blue

Discharging - Purple

Completed - Green



- The status bar includes overall information, setting information, and the status of the fan and beeper.



- When switching operation modes, start/stop, or encountering an overheat warning, the status bar displays the corresponding prompt.

LiHV Battery 4.35V

LiHV 4.35V | 1.5A

Start Charging/Discharging

Start

LiPo Battery 4.20V

LiPo 4.20V | 1.5A

Stop Charging/Discharging

Stop

Storage Mode 3.85V

Storage 3.85V | 1.5A

Overheat Warning!

⚠ Overheat!

Usage Instructions

- For optimal performance with HexaCharger, it is suggested to use a PD 3.0 adapter providing minimum 30W output. For HexaCharger Pro, it is suggested to use a PD 3.0 adapter providing minimum 100W output.
- Connect the charger to a power adapter, the charger will power on automatically. Then insert the battery into corresponding BT2.0 or PH2.0 port based on its connector type.
- Charging
 - Short press the left button to select charging mode matching the battery type (e.g., LiHV 4.35V or LiPo 4.2V).
 - Short press the right button to set the charging current, adjustable from 0.5A to 3A. Do not exceed battery's recommended charging current.
 - Long press the left button to start charging. The status bar displays "Start", the operation indicator light flashes, and the channel info bar background turns blue.
- Storage
 - Short press the left button to select Storage mode (3.85V).
 - In storage mode, the charger automatically determines whether to charge or discharge the battery based on the current battery voltage. The charging current follows user setting; the discharging current is fixed at 400mA.
 - Long press the left button to start storage mode. The Status bar displays "Start", the operating indicator light flashes, and the channel info bar background turns blue (for charging) or purple (for discharging) according to operating status.
- Complete/Stop
 - Upon completion of charging or storage, channel info bar background turns green
 - Long press left button to stop operation during charging or storage. Status bar displays "Stop", operating indicator light turns off, and channel info bar background turns white.

- Start/Stop Beeper
 - Long press right button to start or stop beeper.

Usage Notice

1. HexaCharger uses a 6-channel simultaneous charging mode. It supports hot-swapping batteries but does not support independent parameter settings for individual channel.
2. Cooling fan operates automatically based on internal temperature; no manual operation is required.
3. "Charging power" refers to actual power output from charger to batteries, not input power required by charger.
4. If the charger detects that the adapter's output is $\leq 5W$ (5V/1A), it will enter low-power mode, charging batteries sequentially by port number, while keeping the other channels off.
5. When using a non-PD protocol adapter, wait 5 seconds after powering on for protocol recognition before starting charging operations.

Safety Warning

- Do NOT leave charging batteries unattended. Disconnect chargers promptly once charging is complete.
- Always carefully inspect battery condition before use. Do NOT charge or attempt to use batteries that are swollen, bloated, or leaking.
- Fully understand the specifications of batteries before use. Do NOT charge LiPo batteries in LiHV mode or exceed recommended charging current. Failure to do so may cause equipment damage, battery failure, fire, or explosion.
- Keep charger away from flammable/explosive materials. Do NOT block air intake or exhaust vents.
- Ensure correct battery polarity alignment when inserting into connectors.
- This charger is supported ONLY for 1S LiPo/LiHV batteries. Do NOT charge other battery types.
- Do NOT use both BT2.0 and PH2.0 ports on same channel simultaneously for charging or discharging.
- Avoid use in damp, rainy, or high-temperature environments. Keep away from direct sunlight and heat sources.
- Prevent liquids, metal debris, etc., from entering charger. Avoid impacts, drops, or strong vibrations during use and storage.
- Do NOT disassemble any components. If malfunction occurs (e.g., abnormal indicators, overheating, charging interruption), stop use immediately and contact official support.
- Individuals lacking full civil capacity or relevant knowledge/experience (including children) must use product under supervision and guidance of a guardian.

Certification Warning

Front Panel Overview

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.

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

NOTE: 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.



深圳市哈鸣科技有限公司

地址：广东省深圳市龙岗区坂田街道岗头社区天安云谷产业园二期(02-07地块)6栋2006-2008

网址：betafpv.com

邮箱：support@betafpv.com

Shenzhen Baida Moxing Co., Ltd.

Address: Room 2005-2, Building 6, Phase II (Lot 02-07), Tian'an Cloud Park, Gangtou Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China

Web: betafpv.com

E-mail: support@betafpv.com

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