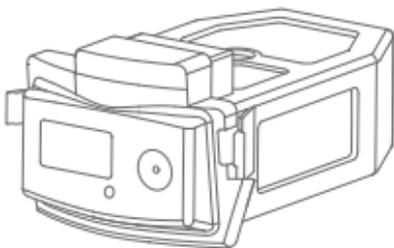


# GHOSTDRONE 2.0

SMART FLIGHT BATTERY

OPERATING MANUAL



**EHANG**

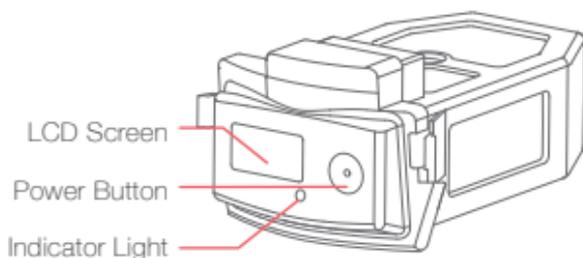
## Disclaimer

Before using smart flight battery, please read the operating manual carefully and familiarize yourself with the operations, warnings and applications. Connecting circuit incorrectly, setting power or load parameters which are different from that written in the manual are all considered to be improper use. EHang shall not bear any liability or responsibility of the damage of the battery, the power adapter, the load, the copter or any other related accessories or the accidents arised from improper use.

## ■ Introduction

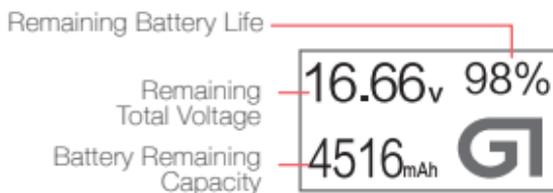
The smart flight battery is a LiPo 4S battery specially designed for the GHOSTDRONE 2.0, with capacity of 4500 mAh, voltage of 14.8 V, charge-discharge management functionality and a smart display screen. The battery should only be charged by EHang power adapter.

## ■ Structural Diagram



## ■ Powering On

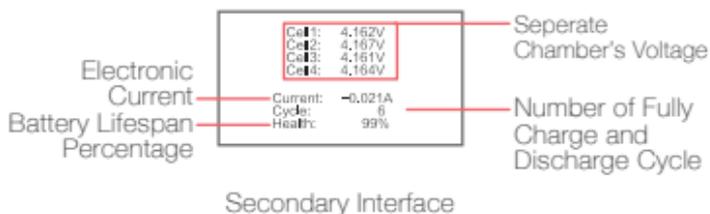
Press the power button shortly, then quickly press and hold the button again. Don't release it until the last letter "G" of logo "EHANG" fully appears on the screen. The LED indicator light turns on once the battery is turned on, referring to the diagram below.



Main Interface

Note: When the battery is powered off, press the power button to check the battery life. (Main interface will display for 3 seconds while the LED Indicator light stays off during the whole process.)

When the battery is powered on, press the power button once to enter the secondary interface, referring to the picture below:



## ■ Powering Off

Press the power button shortly, then press and hold again until the '!' of 'SEE YOU !' sign disappears on the screen.



## ■ Battery Removal & Installation

### Remove Battery

Turn off the battery first. Hold the battery handles to remove it from the battery compartment.



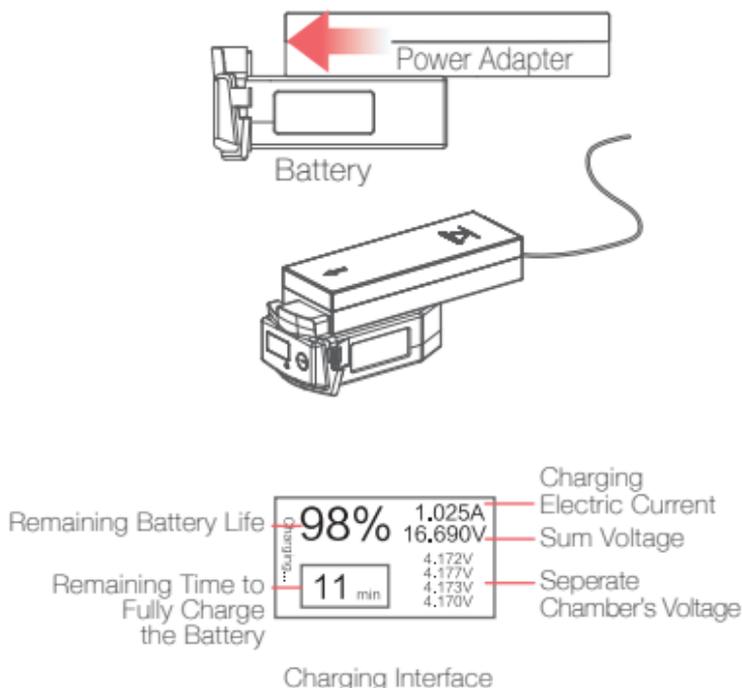
### Install Battery

Hold the battery handles and push the battery into the battery compartment. Make sure the power blades in the compartment align with the battery interfaces. When a click is heard, the battery is well installed.

**Note:** DO NOT remove or install the battery into the copter when it is powered on, otherwise the battery will be damaged.

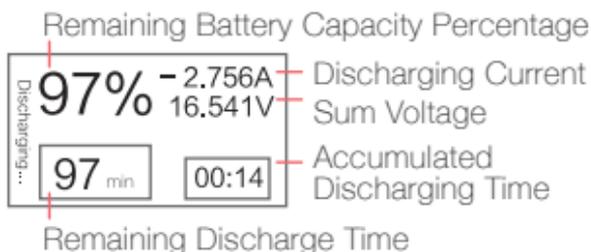
## ■ Battery Charging

Connect the battery to the power adapter, and then connect the power adapter to a wall socket (use the plug if necessary). Once connected successfully, the LED indicator light flashes slowly and the screen displays current battery information as below:



## Battery Discharging

When the battery is discharging, the LED indicator light stays on and the screen displays as below:



Discharge Interface

## LED Indicator Light Instructions

	Low frequency flash (Green)	Charging
	High frequency flash (Green)	Low battery
	Solid green	Working
	Light off	Standby

## Warning

1. Only the EHang power adapter should be used to charge the battery.
2. DO NOT use the batteries from other companies. EHang is not responsible for any dangerous accidents caused by third party batteries.
3. DO NOT use used LiPo batteries. EHang is not responsible for any dangerous accidents caused by used batteries.
4. DO NOT use the battery if it is inflated, damaged or deformed. DO NOT charge or discharge the battery if it is inflated, damaged or deformed.
5. DO NOT plug or unplug the battery into the copter when it is powered on, otherwise the battery will be damaged.
6. DO NOT overcharge the battery. DO NOT "trickle" charge the battery.
7. DO NOT leave the battery unattended when charging for a long time.
8. DO NOT charge or store the battery under direct sunlight. Please store batteries at room temperature. DO NOT store batteries under high or low temperature condition.
9. Recharge the battery only after it cools down to room temperature. Use the charged battery only after it cools down to room temperature.
10. DO NOT use the battery in strong electrostatic or electromagnetic environments, otherwise the electronic protection devices might be damaged leading to dangerous accidents.

11. DO NOT use any conducting wires or any metallic substance that would cause battery short circuit.
12. DO NOT attempt to dismantle the battery case. DO NOT attempt to dismantle, pierce or cut a battery.
13. DO NOT discharge the battery below 3.0 V per cell. Ideally you never want to go below 3.2 V per cell to maintain a healthy battery. 2.9 V per cell and lower is causing permanent damage.
14. DO NOT leave the battery sitting around on a full charge for more than 2-3 days. If by the 3rd day you realize you are not going to use your battery today, you need to discharge your battery down to 3.6v-3.8v per cell for safe storage until you are ready to use the battery again.
15. Depending on how they are used, most LiPo batteries typically do not last longer than 300 charge cycles. Leaving the batteries around on a full or depleted charge all the time, running them completely dead, or exposing them to high temperatures will shorten this lifespan dramatically.
16. Always pack your batteries in your carry-on bag and never in your checked baggage when traveling on an airplane. It' s the law.

## Storage Instructions

1. The battery should be stored in an environment with the temperature of  $23\pm 5^{\circ}\text{C}$ .
2. The battery must be stored in places away from children, water, fire and metal.
3. Always keep a Class D fire extinguisher nearby your battery charging/discharging and storage area. The battery charging/-discharging and storage area should be free from any materials which can catch fire such as wood tables, carpet, or gasoline containers. The ideal surface for charging and storing batteries is concrete or ceramic.
4. DO NOT use your flight case/travel case for long term battery storage. The foam and plastic in these cases can help spread a LiPo fire. Always use a fire proof container such as a metal ammo box or fire proof safe for storage.
5. If the battery is not being used for more than 1 week, keep the battery capacity between 50% to 60%. Charge and discharge the battery once every two months.
6. Do not discard batteries in general household waste. Damaged or unusable batteries must be disposed in containers specially reserved for this purpose. When disposing of batteries, follow appropriate local guidelines and regulations.

## ■ Specifications

Weight	402 g
Type	LiPo 4S
Voltage	14.8 V
Battery Capacity	4500 mAh 67 Wh
Operating Temperature	-10°C ~ +40°C
Maximum Charging Power	60 W
Charging Time	≤70 min

## ■ Warranty

Strict quality control will be conducted before delivery. 6 months' warranty is guaranteed for problems not caused by users' improper use. Removal of the products' manufacturing label will be regarded as waiver of warranty. We will not offer complimentary maintenance if the label is removed or damaged. But limited warranty is still provided.

## ■ Contact Us

Business Hour:

Monday – Friday 9:00 A.M – 5:00 P.M (PST)

Customer Service Phone:

+1 650-533-8554 / 888-800-7056

Customer Service Email:

support@ehang.com

ENTERPRISE STANDARD: Q/ EHT 001-2017  
EHang, Inc. reserves all right to interpret this warranty.

