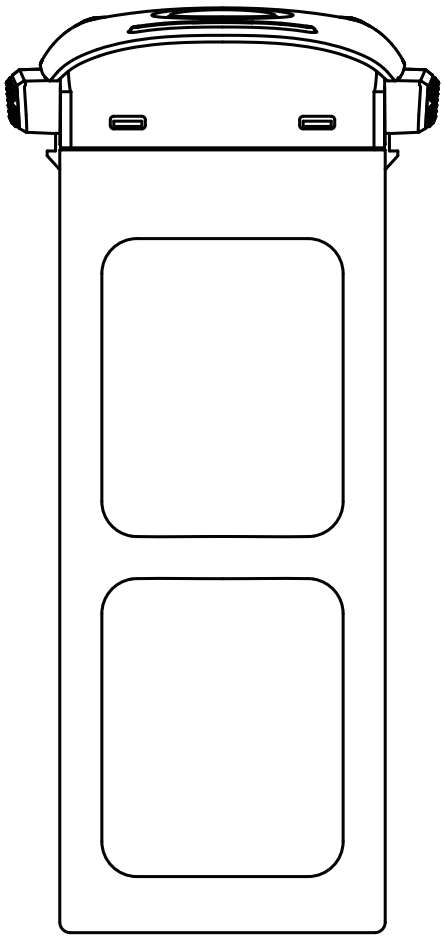
EVO II

BATTERY

Quick Guide



AUTEL ROBOTICS

Battery Safety

The EVO II is powered by a lithium-polymer battery. The misuse of Li-Po/Li-Ion batteries can be hazardous. As such, make sure to strictly follow all the battery usage, charging and storage instructions below.

⚠WARNING

- Only use batteries and charging devices that came with the aircraft or are sold by Autel Robotics for use with the EVO II. Do not tamper with the battery pack or its charger.
- Battery electrolytes are highly corrosive. If any electrolyte comes in contact with your skin or your eyes, immediately flush the affected area with clean running water and seek medical attention.

Battery Usage

Always turn off the aircraft before installing or removing the battery. Additional information:

- Only use batteries and charging devices that came with the aircraft or are sold or authorized by Autel Robotics for use with the EVO II. Using unapproved batteries or charging devices may result in fire, explosion, leakage, or other hazards. Autel Robotics will not be liable for any consequences resulting from the use of third-party batteries or charging devices.
- Do not disassemble, open, crush, bend, deform, puncture, shred, or otherwise intentionally cause damage to the battery. Doing so may result in fire, explosion, leakage, or other hazards.
- If the battery starts to swell, smoke, leak, or show any signs of damage, stop using or charging it immediately and submerge it in a container of salt water.
- Do not expose the battery to temperatures below -10°C (14°F) or above 40°C (104°F). Exposing the battery to extreme temperatures will reduce its lifespan and may result in fire, explosion, or other permanent damage.
- Temperatures below 5°C (41°F) will cause the battery to discharge faster.
- Do not use the battery in strong electrostatic or electromagnetic environments.

- Do not expose the battery to fire, explosions, or other hazards.
- If the aircraft becomes submerged, remove the battery immediately after you retrieve it. Leave the battery in an open area, away from flammable objects, and maintain a safe distance until it is completely dry. Don't use the battery again. Contact our customer support team for a replacement.

Battery Charging

It should take a maximum of 90 minutes to fully charge the aircraft battery, though charging times will vary according to the remaining power level.

Additional information:

- Do not use a damaged battery charger.
- When the charger is not in use, disconnect it from the aircraft battery and the power source.
- Wait until the battery has cooled down to room temperature before charging it. If you connect the battery to the charger immediately after flight, overheat protection will prevent charging.

Battery Storage

In storage as in flight, it's important not to allow the battery to come in close contact with moisture or heat sources. Store the battery in a dry and well ventilated area at room temperature — ideally 22°C to 28°C (72°F to 82°F).

Additional information:

- Keep the battery out of reach of children and pets.
- Do not store the battery in direct sunlight or near sharp items, moisture, metal, or reactive chemicals.
- Storing the battery at extreme temperatures will reduce its lifespan. If the battery is left unused for over 6 days, store it at a temperature below 30°C (86°F). Otherwise, battery damage or failure may result.
- Over time, some reduction in battery life is expected.

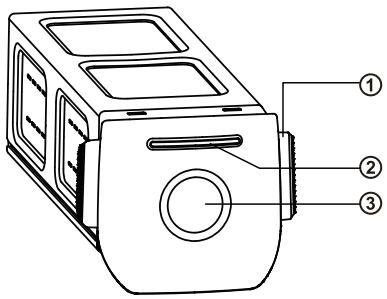
Battery Disposal

- Completely discharge the battery before disposal.
- Dispose of the battery properly at an approved battery recycling location.

Aircraft Battery

The EVO II all-new, custom-designed rechargeable Li-Po battery features high energy density and capacity, It should be charged exclusively using the supplied charger.

Basic Functions



Aircraft Battery

1.Removal Button

2.Capacity Level Indicators

3.Power Button

Turning On the Battery

Make sure the battery is off before attaching it to the aircraft. After attaching it, press and hold the Power Button for 3 seconds. The battery level indicators will display the current battery level.

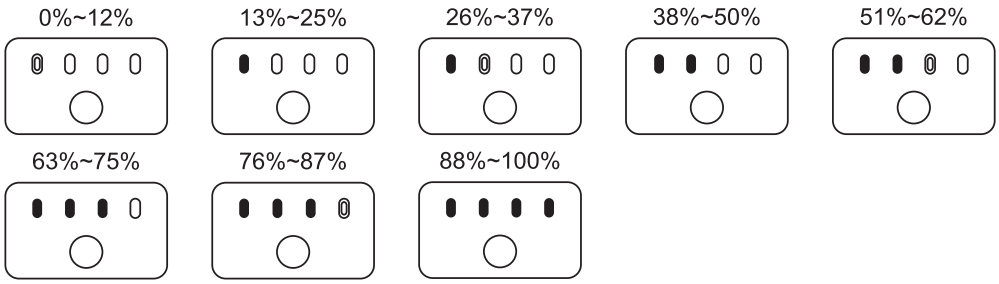
Turning Off the Battery

Press and hold the Power Button for 3 seconds to turn off the battery. If the battery is attached to the aircraft, the LED 1 and LED 4 will flash 5 times to indicate that the battery is turning off. Once all Battery Level Indicators have turned off, remove the aircraft battery from the aircraft.

Checking the Battery Level

To check the battery level without powering it on, press the Power Button for 1 second, and then release it quickly. The LEDs will display the current battery level as shown below.

Battery Level Indicator Status While Discharging



Additional Functions

The additional functions listed below protect and preserve the battery.

- Storage Self-Discharge Protection: If the battery is stored in a high-temperature environment or is idle for 6 days with a high power level, self-discharge protection will be activated. The battery will discharge automatically to a safe level. This is the default setting, and the discharge process takes 2-3 days. While there's no indication that the battery is performing a self-discharge cycle, you may notice a slight warming of the battery, which is normal. The discharge threshold can be customized using the Autel Explorer™ app.
- Sleep Mode Protection: If the battery power level is low, the battery will automatically enter sleep mode to prevent damage. In this mode, the battery will not respond when you push the Power Button. To wake up the battery, connect it to the charger.
- Charging Temperature Detection: If the charging temperature reaches below 5°C (41°F) or above 45°C (113°F), the battery will stop charging.
- Overcurrent Protection: If the charging current exceeds 8A, the battery will stop charging.
- Overcharge Protection: Charging will stop automatically when the battery is fully charged.
- Balance Protection: The voltage of each battery cell is balanced to prevent overcharging or over-discharging.
- Over-Discharge Protection: When the battery is not in use, it will automatically disconnect the power output function once the self-discharge cycle is completed. This function is disabled during flight.
- Short Circuit Protection: The power supply will be cut off in the event that a short circuit is detected.
- Power Saving Mode: After 30 minutes of inactivity, the battery will turn off.
- Communication: When in use, the aircraft continuously syncs with the battery to provide real-time information including voltage, capacity, current, and temperature.
- Ultra-Low Power Consumption Mode: To conserve power, this mode will be activated if the battery is idle for 6 days with a voltage lower than 11.6 V. The battery will resume normal function after being connected to the charger.

LED Warning Descriptions

LED1	LED2	LED3	LED4	Warning Instruction
○	◎	○	○	Warning related to the charging temperature (The charging temperature is too high or too low)
○	○	◎	○	Warning related to the charging current (The short circuit happened because of the overcurrent)
○	○	○	◎	Warning related to the discharge (Discharge Overcurrent, Overload in Discharge and Discharge Short Circuit)
◎- Flashing Light			○- No Lights	

NOTE

If the charging is overheated, the second LED indicator will be flashing. When the charger is connected, the battery will recharge automatically after detecting the normal temperature.- DO NOT unplug the charger.

Capacity Level Status During Charging

LED1	LED2	LED3	LED4	Current Level（%）
◎	◎	◎	◎	0~25
●	◎	◎	◎	25~50
●	●	◎	◎	50~75
●	●	●	◎	75~100
● Indicates solid green light			◎ Indicates flashing green light	

Please contact your local retailer with any questions, or chat with our customer service team at www.autelrobotics.com/contact-us/