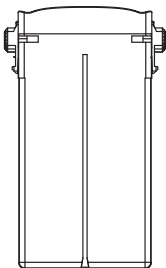


Battery Safe Operation Guidelines

EVO Nano series



AUTEL
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Battery Safety

EVO Nano series is powered by a lithium-ion polymer battery. Improper use of lithium polymer/lithium-ion batteries can be dangerous. Please ensure that all the following battery usage, charging and storage guidelines are strictly followed.

Warning

- Only use the battery and charger provided by Autel Robotics. It is forbidden to modify the battery pack and its charger, or use third-party equipment to replace it.
 - The electrolyte in the battery is extremely corrosive. If the electrolyte accidentally spills onto your skin or into your eyes, please wash the affected area with clean water and seek medical advice as soon as possible.
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Battery Usage

When installing or removing the aircraft battery, be sure to turn off the aircraft's power. Other considerations are as follows:

- Only use batteries and charging devices sold or authorized by Autel Robotics for the EVO Nano series. Using unapproved batteries or charging devices may cause fire, explosion, leakage or other hazards. Autel Robotics is not responsible for any consequences caused by the use of third-party batteries or charging devices.
- Do not disassemble, scratch, squeeze, bend, puncture, cut or otherwise intentionally damage the battery, otherwise it may cause fire, explosion, leakage or other hazards.
- Once the battery begins to bulge, smoke, leak or show any other signs of damage, stop using it immediately and immerse it in a container filled with salt water.
- Do not expose the battery to temperatures below -10°C (14°F)

or above 40°C (104°F). If the battery is exposed to extreme temperatures, its service life will be shortened. Extreme temperatures may also cause fire, explosion or other permanent damage.

- Exposure to temperatures below 5°C (41°F) will speed up battery discharge.
- Do not use the battery in a strong static electricity or electromagnetic environment.
- Do not expose the battery to open flame, explosives or other hazards.
- If the aircraft falls into water, remove the battery immediately after recovering it. Put the battery in an open place and keep a safe distance from it until it is completely dry. After that, please stop using the battery. You can contact the customer service center to replace it.

Charging Batteries

It takes up to 90 minutes to fully charge the aircraft battery, but the charging time is related to the remaining power.

Other notes are as follows:

- Do not use a damaged battery charger.
- When the charger is not in use, it should be disconnected from the aircraft battery and power supply.
- Wait for the battery to cool to room temperature before charging. If the battery is connected to the charger immediately after a flight, the over-temperature protection feature may be activated automatically, preventing the battery from charging until it has cooled completely.

Battery Storage

Avoid placing the battery within close contact of water or heat sources while in storage. Batteries should be stored at room temperature (ideally 22°C to 28°C (72°F to 82°F)) in a dry, well-ventilated area.

Other notes are as follows:

- Batteries should be stored out of the reach of children and pets.
- Do not store the battery in direct sunlight or near sharp objects, water, metals or reactive chemicals.
- Storing the battery in extreme temperatures will shorten its life. If the battery is not used for more than 1 day, it should be stored at temperatures between -10°C (14°F) and 30°C (86°F). Failure to do so may result in battery damage or failure.
- If left idle for an extended period of time, the life of the battery will be shortened.

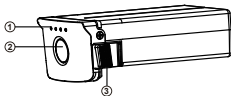
Battery Disposal

- Be sure to completely discharge the battery before throwing it away.
- Send the battery to the designated recycling point for proper disposal.

Aircraft Batteries

The aircraft's lithium polymer battery needs to be charged with the special charger provided.

1. Battery level indicator
2. Power button/power check
3. Disassembly button



Turn on the battery

Before installing the battery, make sure it is powered off. After installation, press and hold the power button for 3 seconds. The battery level indicator will show the current battery level.

Turn off the battery

Press and hold the power button for 3 seconds to turn off the battery. If batteries are installed in the craft, LED1 and LED4 will blink 5 times to indicate that the power is being turned off. Once all battery level indicators are off, remove the batteries from the craft.

Check the battery level

With the battery off, press the power button for 1 second, then quickly release it to check the battery level. The LED will show the current battery level as follows:

Battery level indicator status (non-charging state)			
0%~12%	13%~25%	26%~37%	38%~50%
51%~62%	63%~75%	76%~87%	88%~100%
-Green light is always on	- Green light flashing	- Close	

Additional Features

The following features protect and extend battery life.

- **Storage self-discharge protection:** If the battery is stored in a hot environment or not used for 6 days and the charge level is high, the self-discharge protection will be activated. The battery will be automatically discharged to a safe level. This is the default setting, and the discharge process takes 2-3 days. Although the battery does not indicate during the self-discharge cycle, you may notice a slight warming of the battery, which is normal.
- **Low power protection.** If the battery is low, it will automatically enter sleep mode to prevent over-discharge. In this mode, the battery does not respond when the power button is pressed. To wake up the battery, connect it to the charger.
- **Charging temperature detection.** If the temperature is below 5°C(41°F) or above 45°C(113°F) when charging, the battery will stop charging.
- **Overcurrent protection.** When the charging current is too high, 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 after the self-discharge cycle is completed. This function is disabled during flight.
- **Short circuit protection.** Once a short circuit is detected, the power will be cut off.
- **Power saving mode.** If there is no operation for 30 minutes, the battery will turn off.

- Communication. When in use, the vehicle is continuously synchronized with the battery to provide real-time information, including voltage, capacity, current, temperature, etc.
- Ultra-low energy mode. If the battery level falls below about 8%, the battery will enter ultra-low power mode to reduce self-consumption of electricity. When the battery enters ultra-low power consumption to recover, it needs to be activated by the charger before it can continue to be used normally.

LED Indicator Warning Description

LED1	LED2	LED3	LED4	Warning Notes
○	⓪	○	○	Charging temperature is too high or too low.
○	○	⓪	○	The charging current is too high and has caused a short circuit.
○	○	○	⓪	Overcurrent, overload or short circuit problems occurred during discharge.
⓪ -Indicator light blinking				○-Close

Specification

Capacity	2250mAh
Nominal voltage	7.7V
Charging limit voltage	8.8V
Battery type	Li-Po 2S
Energy	17.32Wh
Charging ambient temperature	5~45°C
Maximum charging power	30W