

Mavic 2 Battery Safety Mechanisms

As typically found on DJI batteries, the Mavic 2 Intelligent Flight Battery is packed with safety features. These features help to maximize the battery life and prevent damage to the battery and drone.

The following features are included:

- **Auto Discharge** – The battery will automatically discharge to less than 60% if left for more than ten days. The process of discharge usually takes three to four days. This prevents swelling of the battery.
- **Temperature Detection** – The battery will only charge in temperature between 5°C and 40°
- **Balanced Charging** – During charging, the battery cell voltage is automatically balanced.
- **Overcharge & Overcurrent Protection** – For additional safety during charging, the battery will automatically stop charging when it reaches 100% or if an excessive current is detected.
- **Short Circuit Protection** – The power supply will automatically cut out if a short circuit is detected.
- **Hibernation Mode** – The battery will automatically switch off if the battery is inactive for 20 minutes. If the battery level is less than 10%, the battery will enter its Hibernation Mode to prevent lasting damage to the battery. The battery needs to be charged to get out of the mode.
- **Battery Cell Damage Protection** – A warning message will be shown in the DJI GO 4 app if any damage to a battery cell is detected.

Information about the battery can be found on the DJI GO 4 app. This includes the voltage, capacity and current.

Warning messages will also be shown on the app if encountered as well as on the LED indicators as shown below. The LED indicators are numbered as follows:

MAVIC 2 BATTERY LED INDICATORS



Mavic 2 Battery LED Indicators

- LED2 blinks twice per second – Over-current detected.
 - LED2 blinks three times per second – Short circuit detected.
 - LED3 blinks twice per second – Overcharge detected.
 - LED3 blinks three times per second – Charger over-voltage detected.
 - LED4 blinks twice per seconds – Charging temperature is too low.
 - LED4 blinks three times per second – Charging temperature is too high.
 - **No LED when pushing the On-button – Hibernation mode or defect – Charge to find out.**
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