



BATTERY SAFETY INFORMATION

REVISED MARCH 2021

TECHNICAL BULLETIN | 31/03/21

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Peli has updated the Battery Safety Information Page on its website at <https://www.peli.com/eu/en/support/flashlight-battery-safety/>. Please take a moment to review this updated information:

Battery Safety – *You MUST read these Warnings and Instructions before using or charging your batteries!*

WARNING: HANDLE AND STORE BATTERIES PROPERLY TO AVOID INJURY OR DAMAGE

BATTERIES CAN BE DANGEROUS!

Most battery issues arise from improper handling of batteries, and particularly from the use of damaged or counterfeit batteries. Please review the information below to avoid serious injury and/or damage to your property.

Alkaline Batteries

- For those products with hazardous location safety approvals for explosive environments, please be advised that the safety approval is only valid for the specified battery type and manufacturers and, where applicable, brand names that are displayed on the equipment and/or instructions sheets that are supplied with the flashlight. The use of other battery types may reduce the performance of the equipment, expose the user or others to serious injury, and will invalidate the safety approval.
- Always read the battery manufacturer's recommendations for the appropriate usage of the battery type/brand prior to using.
- When replacing the batteries, replace all the batteries at the same time. DO NOT mix battery brands. DO NOT mix old and new batteries. Always insert batteries correctly with regard to polarity (+ and -) marked on the battery and equipment.
- DO NOT change batteries in a hazardous location.
- DO NOT use batteries beyond their expiration date.
- Remove batteries from equipment if it is not to be used for an extended period of time.

Non Re-chargeable Primary Lithium Batteries

- By purchasing lithium batteries, the buyer assumes all risks associated with lithium batteries. If you do not agree with these conditions, return the product immediately before use.
- Use only Panasonic™, Energizer™, Duracell™, or Sanyo™ batteries.
- DO NOT mix old and new batteries.
- DO NOT mix battery brands/types.
- When replacing batteries, replace all batteries at the same time.
- DO NOT open batteries.
- DO NOT dispose of batteries in fire.
- DO NOT heat above 75° C.
- DO NOT expose batteries to water.
- DO NOT use battery if casing is damaged.
- This is a Non-Rechargeable Battery. DO NOT recharge.
- Insert batteries correctly with regard to polarity (+ and -) marked on the battery and equipment.
- DO NOT use batteries beyond their expiration date.
- Storage area for the batteries should be clean, cool, dry and ventilated.



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Rechargeable Batteries

- Hazardous location safety approvals for explosive environments are only valid for the Peli battery pack that is supplied with the equipment.
- For replacement battery packs only use the approved Peli battery pack for the model of the product that you are using. The use of other battery packs will reduce performance, expose the user or others to serious injury, and will invalidate the safety approval.

- It is advisable to condition* batteries every 3 months. Failure to do so will decrease battery life. Leaving the product unused for long periods of time will decrease battery life. Withdrawal of the charger from the product prior to a 'READY' indication will result in an inadequate charge.

WARNING:

- If the charger fails to indicate a full charge after repeated charging attempts, or the battery exhibits a marked reduction in performance, a battery replacement is required.

| Battery Type | Charging Temperature | Operating Temperature |
|--------------------|----------------------------------|----------------------------------|
| Lead Acid | -20°C to 50°C (-4°F to 122°F) | -20°C to 50°C (-4°F to 122°F) |
| Ni-MH | 0°C to 40°C (32°F to 104°F) | -20°C to 50°C (-4°F to 122°F) |
| Li-Ion and LiFePO4 | 0°C to 45°C (32°F to 113°F) | -20°C to 60°C (-4°F to 140°F) |

- Equipment should only be charged in a non-hazardous location.
- Equipment should only be charged using the Pelican charger base that is supplied.
- Batteries should be charged and operated between the temperatures shown in the table above.
- DO NOT charge rechargeable alkaline batteries while they are still in the equipment. Charging the alkaline batteries while they are still in the equipment can cause internal gas or heat generation resulting in venting, explosion or possibly fire, which could cause serious injury or property damage.
- *Deep discharge of the rechargeable battery may cause batteries to vent potentially dangerous gasses and electrolytes.
- DO NOT use chargers designed for a different battery technology or equipment, or model. Doing so may damage the product and expose the user to serious injury or property damage
- Ni-MH Rechargeable Battery Packs: DO NOT use Ni-MH rechargeable battery packs for longer than three years or 500 charge/discharge cycles, whichever comes first. Using Ni-MH rechargeable battery packs for longer than three years or 500 charge/discharge cycles will reduce the performance of the battery and expose the user to serious injury or property damage.
- Li-Ion and LiFePO4 Rechargeable Battery Packs: DO NOT use Li-Ion and LiFePO4 rechargeable battery packs for longer than five years. Using for a period longer than five years will reduce the performance of the battery and expose the user to serious injury or property damage.



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Battery Recycling

ALWAYS dispose of batteries properly at an approved battery recycling center. Failure to do so can be a crime and can lead to the release of harmful toxic materials.

Product Warranty

Product warranty is limited to original defects in material and workmanship. Warranty does not cover collateral damage. Misuse, abuse, incorrect charging and other inappropriate use of this product and not covered under warranty.

* Deep Discharge: The battery has been allowed to discharge most of its capacity to a point beyond which irreparable damage has occurred. See battery specifications for the specific levels.

* To Condition a Battery: Charge your battery to the fullest and then disconnect from charger. Let your light run until it completely drains the battery and turns itself off. Place the light back onto its charger and completely recharge the battery before using it. This conditioning or "cycling" of the battery will help it retain a fuller charge for a longer period of time.