K&F CONCEPT LP-E6NH

K&F CONCEPT LP-E6NH Battery User Manual

Model: LP-E6NH | Brand: K&F CONCEPT

1. Introduction

This manual provides essential instructions for the safe and effective use of your K&F CONCEPT LP-E6NH rechargeable batteries. Please read this manual thoroughly before use and retain it for future reference.



Image 1.1: K&F CONCEPT LP-E6NH Battery Pack, showing the USB-C input port and product labeling.

1.1 Package Contents

- 2-Pack USB-C LP-E6NH Batteries
- 2 pcs Battery Protective Covers
- 2 pcs USB-C Charging Cables

2. Product Features

- **High Capacity:** Each LP-E6NH battery offers a 2250mAh capacity, designed for extended shooting sessions.
- **USB-C Direct Charging:** An integrated Type-C port allows direct charging without an external charger.
- **Fast Charging:** Achieve a full charge in approximately 2 hours via USB-C.
- **Multiple Charging Options:** Compatible with USB wall chargers, camera chargers, power banks, and car chargers.
- **Full Decoding:** Fully decoded to ensure compatibility with supported Canon cameras without triggering warning messages.
- **Advanced Safety Protections:** Built-in safeguards against overcharge, high temperature, over-current, over-voltage, and short-circuit.



Image 2.1: The 2250mAh capacity supports approximately 3000 photos or 3 hours of video recording.



Image 2.2: Overview of safety features including temperature, over-voltage, over-discharge, over-current, over-charge, and short-circuit protection.

3. Setup

3.1 Installing the Battery

1. Ensure your camera is powered off.
2. Open the battery compartment cover on your camera.
3. Align the battery with the compartment, ensuring the contacts match.
4. Gently push the battery into the compartment until it clicks into place.
5. Close the battery compartment cover securely.

The K&F CONCEPT LP-E6NH battery is designed to fit seamlessly into compatible Canon cameras, similar to the original battery.

4. Operating Instructions

4.1 Charging the Battery

The LP-E6NH battery offers two primary charging methods:

4.1.1 USB-C Direct Charging

1. Connect the provided USB-C charging cable to the battery's USB-C port.
2. Connect the other end of the cable to a compatible USB power source (e.g., USB wall charger, power bank, car charger, laptop USB port).
3. The LED indicator on the battery will illuminate red during charging.
4. Once fully charged (approximately 2 hours), the LED indicator will turn green.
5. Disconnect the cable when charging is complete.



Image 4.1: The USB-C port allows for convenient direct charging.

4.1.2 Traditional Charger Charging

The LP-E6NH battery is also compatible with standard LP-E6 series camera chargers. Simply insert the battery into a compatible charger as you would an original Canon battery.

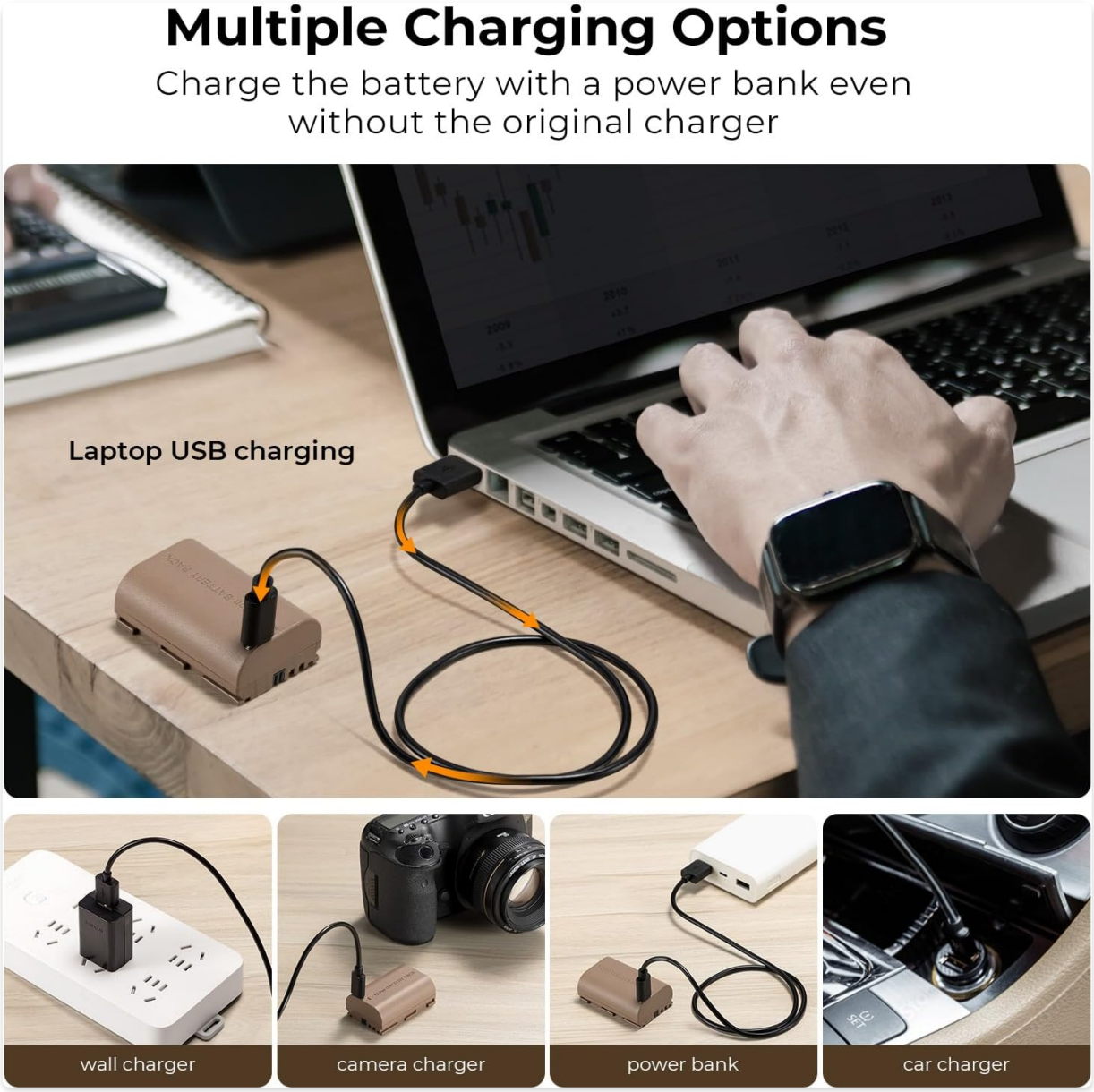


Image 4.2: The battery can be charged via wall charger, camera charger, power bank, or car charger.

4.2 LED Indicator Guide

- **Red Light:** Battery is currently charging.
- **Green Light:** Battery is fully charged.



Image 4.3: The LED indicator shows red for charging and green for fully charged.

4.3 Using the Battery in Your Camera

After installation, power on your camera. The camera's display should show the battery level without any warning messages, indicating full compatibility. The 2250mAh capacity supports approximately 3 hours of continuous video recording or over 3000 photos, depending on camera settings and usage.

5. Maintenance

5.1 Storage

- Store batteries in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to charge batteries to about 50-70% capacity.
- Use the provided battery protective covers to prevent short circuits and physical damage during storage and transport.

5.2 Cleaning

- Keep battery contacts clean. Use a dry, soft cloth to wipe off any dust or debris.
- Avoid using harsh chemicals or abrasive materials for cleaning.

5.3 Battery Life Optimization

- Avoid completely draining the battery before recharging.
- Do not expose batteries to water or moisture.
- If a battery shows signs of damage or swelling, discontinue use immediately and dispose of it properly.

6. Troubleshooting

6.1 Battery Not Charging

- Ensure the USB-C cable is securely connected to both the battery and the power source.
- Verify that the power source is active and providing sufficient power.
- Try a different USB-C cable or power adapter.
- If using a traditional charger, ensure the charger is functioning correctly and the battery is inserted properly.

6.2 Camera Not Recognizing Battery / Warning Message

- Ensure the battery is fully inserted and the compartment door is closed.
- Power cycle the camera (turn off, remove battery, reinsert, turn on).
- Verify that your camera model is listed as compatible (see Section 8).
- **Note: This battery is not compatible with Canon R5 Mark II.**

6.3 Shortened Battery Life

- Battery performance can decrease over time with repeated charge cycles.
- Extreme temperatures (hot or cold) can temporarily reduce battery performance.
- High-power camera functions (e.g., continuous video recording, high frame rate shooting, using the LCD screen extensively) consume more power.

7. Specifications

Feature	Detail
Model	LP-E6NH
Battery Type	Lithium Ion
Capacity	2250mAh
Voltage	7.2V
Charging Port	USB-C
Charging Time (USB-C)	Approx. 2 hours
Product Dimensions	5.51 x 3.15 x 1.97 inches
Item Weight	2.77 ounces

8. Compatible Camera Models

The K&F CONCEPT LP-E6NH batteries are fully decoded and compatible with the following Canon EOS camera models:



Image 8.1: The battery is compatible with various Canon EOS models.

- Canon EOS R
- Canon EOS R5
- Canon EOS R6
- Canon EOS R7
- Canon EOS 5D Mark II
- Canon EOS 5D Mark III
- Canon EOS 5D Mark IV
- Canon EOS 6D
- Canon EOS 6D Mark II
- Canon EOS 7D
- Canon EOS 7D Mark II
- Canon EOS 60D
- Canon EOS 70D
- Canon EOS 80D
- Canon EOS 90D
- Canon XC10
- Canon XC15

Note: Not compatible with Canon R5 Mark II.

9. Safety Information

Please observe the following safety precautions to prevent damage to the battery or injury to yourself:

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose the battery to high temperatures (above 60°C / 140°F) or direct sunlight.
- Do not dispose of the battery in fire or water.
- Keep the battery away from children.
- If the battery leaks, swells, or emits an unusual odor, discontinue use immediately.
- Dispose of used batteries according to local regulations.

10. Warranty and Support

K&F CONCEPT provides a standard warranty for its products. For specific warranty terms, technical support, or customer service inquiries, please refer to the official K&F CONCEPT website or contact their customer support directly.
Official K&F CONCEPT Website: K&F CONCEPT Store