

Nikon EN-EL20

Nikon EN-EL20 Rechargeable Li-ion Battery User Manual

Model: EN-EL20 (Part No. 3620)

1. INTRODUCTION

The Nikon EN-EL20 is a compact, rechargeable lithium-ion battery designed to provide reliable power for compatible Nikon digital cameras, such as the Nikon 1 J1. This battery delivers 7.2V and has a capacity of 1020 mAh, ensuring consistent performance even in colder environments. It is designed for repeated recharging.



Image 1.1: The Nikon EN-EL20 Rechargeable Li-ion Battery. This image displays the compact form factor of the battery, typically featuring the Nikon logo and model number.

Key Features:

- Compact rechargeable lithium-ion battery design.
- High capacity of 1020 mAh for extended operating life.
- Provides consistent power output, suitable for various environmental conditions, including colder temperatures.

2. SETUP AND INSTALLATION

2.1 Initial Charging

Before first use, fully charge the EN-EL20 battery. Use a compatible Nikon battery charger (sold separately) for this purpose. Refer to your charger's instruction manual for specific charging procedures and indicators.

2.2 Battery Installation

1. Ensure the camera is powered off before installing or removing the battery.
2. Locate the battery compartment on your compatible Nikon camera (e.g., Nikon 1 J1).
3. Open the battery compartment cover.
4. Insert the EN-EL20 battery into the compartment, aligning the contacts on the battery with those in the camera. Ensure the battery is inserted in the correct orientation, typically indicated by an arrow or diagram inside the compartment.
5. Gently push the battery until it clicks into place, securing it.
6. Close the battery compartment cover firmly.

3. OPERATION

3.1 Charging the Battery

To charge the EN-EL20 battery:

1. Remove the battery from the camera.
2. Place the battery into a compatible Nikon battery charger.
3. Connect the charger to a power source.
4. Monitor the charging indicator on the charger. Charging time may vary depending on the charger model and the battery's remaining charge.
5. Once charging is complete, disconnect the charger from the power source and remove the battery.

3.2 Battery Usage

The EN-EL20 battery powers your compatible Nikon camera. Battery life varies based on camera usage, settings, and environmental conditions. It is recommended to carry a fully charged spare battery for extended shooting sessions.

4. MAINTENANCE

4.1 Battery Care

- Keep the battery contacts clean. Use a dry, soft cloth to wipe off any dirt or smudges.
- Avoid exposing the battery to extreme temperatures, direct sunlight, or high humidity.
- Do not disassemble, crush, or puncture the battery.
- Do not short-circuit the battery terminals.
- Dispose of depleted batteries according to local regulations. Do not incinerate.

4.2 Storage

For long-term storage, charge the battery to approximately 50% capacity and store it in a cool, dry place. Avoid storing fully charged or completely depleted batteries for extended periods, as this can reduce overall battery life.

5. TROUBLESHOOTING

- **Battery Not Charging:** Ensure the battery is correctly inserted into the charger and the charger is properly connected to a power source. Verify that the charger is compatible with the EN-EL20 battery.
- **Camera Not Powering On:** Check if the battery is fully charged and correctly inserted into the camera. Ensure the battery compartment cover is securely closed.
- **Short Battery Life:** Battery life can be affected by extreme temperatures, frequent use of flash, continuous video recording, or prolonged use of the camera's LCD screen. If battery life significantly degrades over time, the battery may be nearing the end of its lifespan and require replacement.

- **Battery Overheating:** If the battery or charger becomes excessively hot during charging or use, discontinue use immediately and contact Nikon support.

6. SPECIFICATIONS

Model Number	EN-EL20 (3620)
Battery Type	Rechargeable Lithium-ion
Voltage	7.2V
Capacity	1020 mAh
Dimensions (Approx.)	1 x 1 x 1 inches (2.54 x 2.54 x 2.54 cm)
Weight (Approx.)	0.011 ounces (0.31 grams)
Recommended Use	Camera (e.g., Nikon 1 J1)
Manufacturer	Nikon

7. WARRANTY AND SUPPORT

For information regarding warranty coverage, service, or technical support for your Nikon EN-EL20 battery, please refer to the warranty documentation included with your original camera purchase or visit the official Nikon support website. Contact information for Nikon customer service can typically be found on their website or in your camera's user manual.

Nikon Official Website: <https://www.nikonusa.com/>