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Kastar BA-2B-FNP85-A

Kastar FNP-85 Lithium-ion Battery Pack User Manual

Model: BA-2B-FNP85-A

1. Introduction

Thank you for choosing the Kastar FNP-85 Lithium-ion Battery Pack. This manual provides essential information for the safe and effective use, installation, and maintenance of your new battery pack. Please read this manual thoroughly before use and retain it for future reference.



Figure 1: Two Kastar FNP-85 Lithium-ion Battery Packs. Each battery is white with a green label, indicating "Kastar", "For Fuj.NP-85", "3.7V===1700mAh 6.29Wh", "Li-ion Battery Pack", and an arrow pointing to "Insert this direction".

2. Safety Precautions

CAUTION: Make sure you observe the following important battery precautions. Failure to do so can cause batteries to leak, overheat, or explode.

- Do not expose batteries to heat or fire.
- Never try to disassemble, modify, or apply solder to batteries.
- Never short the terminals of the batteries or carry them together with metal objects that can cause shorting.
- Do not tear or remove the outer label of the batteries.
- Never use, change, or store batteries in areas exposed to high temperature.



Figure 2: Rear view of the Kastar FNP-85 battery, displaying important safety warnings and precautions regarding handling and storage.

3. Compatibility

The Kastar FNP-85 battery pack is designed to be compatible with a wide range of camera and charger models. Please verify your device's compatibility before use.

3.1. Compatible Battery Models

- Fujifilm NP-85 FNP-85
- Sony NP-170
- TOSHIBA PA3985, PA3985U-1BRS
- Ordro 084-07042L-062, 084-07042L-075 NP-170

3.2. Compatible Charger Models

- Fujifilm BC-85 BC-85A
- Sony CB-170

3.3. Compatible Camera Models

Fujifilm

- FinePix SL240
- FinePix SL245

- FinePix SL260
- FinePix SL280
- FinePix SL285
- Finepix SL300
- FinePix SL305
- FinePix SL1000
- FinePix S1

Toshiba

- Camileo X200
- Camileo X400
- Camileo X416
- Camileo X416 HD
- Camileo Z100

Medion

- Life P47011
- Life X47023
- MD86423 MD 86423
- MD86695 MD 86695

Sony

- HDR-600X
- HDR-3700E
- HDR-6900E
- HDR-550E
- HDR-500E
- 230Z
- 280Z
- 2700X
- HDV-CX3800E
- HDV-CX1800E

Other Brands

- HP T-500 T500
- Ordro HDV-D325, HDV-D370, HDV-Z60
- PAMIEL HD-180A HD180A, HD-230A HD230A
- Speed HD-230Z HD230Z
- Soulycin FHD-A999
- Aiptek AHD H23 AHD-H23
- Phisung HDV-C706G HDV-Z806P
- Soxi HDD-9000A HDD9000A
- Easypix DVX5233
- Vivikai HD-OC2312
- JAY-tech VideoShot C20

- Rollei Movieline SD-23
- Tevion DV-23HD
- DV-E80
- RICH A180 A200 A230 R291F
- DIGIPO HDV-S590 HDV-S690
- AIGO AHD-Z50
- OUCCA HDV-A37

4. Setup and Charging

Before first use, it is recommended to fully charge your new Kastar battery pack.

1. **Insert Battery into Charger:** Align the battery terminals with the corresponding contacts in a compatible battery charger (e.g., Fujifilm BC-85, Sony CB-170). Ensure the battery is inserted in the correct direction as indicated on the battery label (see Figure 1).
2. **Connect Charger:** Plug the charger into a suitable power source. The charger's indicator light will typically show the charging status (e.g., red for charging, green for fully charged).
3. **Charge Fully:** Allow the battery to charge until the charger indicates a full charge. This may take several hours for a completely depleted battery.
4. **Install in Device:** Once charged, remove the battery from the charger and insert it into your compatible camera or camcorder, following the device's specific instructions for battery installation.

5. Operating Guidelines

The Kastar FNP-85 battery is designed for reliable performance in compatible devices. Observe the following guidelines for optimal operation:

- **Battery Insertion:** Always ensure the battery is inserted correctly into your device, matching the polarity indicators.
- **Power On/Off:** Turn off your device before removing or inserting the battery to prevent data loss or damage.
- **Battery Life:** The actual battery life will vary depending on the device's usage, settings, and environmental conditions.
- **Low Battery Indicator:** Pay attention to your device's low battery warning. Recharge the battery promptly when indicated.

6. Maintenance and Storage

Proper maintenance and storage will extend the lifespan of your Kastar battery pack.

- **Regular Charging:** For optimal battery health, avoid completely draining the battery before recharging.
- **Storage:** If storing the battery for an extended period, charge it to approximately 50% capacity and store it in a cool, dry place away from direct sunlight and extreme temperatures. Recharge every 3-6 months to prevent deep discharge.
- **Cleaning:** Keep the battery terminals clean. Use a dry, soft cloth to wipe off any dust or dirt.
- **Disposal:** Do not dispose of batteries in household waste. Follow local regulations for proper disposal of lithium-ion batteries.

7. Troubleshooting

If you encounter issues with your Kastar battery pack, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging.	Incorrectly inserted battery; faulty charger; dirty terminals; battery too hot/cold.	Ensure battery is inserted correctly. Try a different compatible charger. Clean battery terminals. Allow battery to reach room temperature.
Battery drains quickly.	High power consumption by device; old battery; extreme temperatures.	Reduce device power consumption (e.g., screen brightness). Battery lifespan naturally decreases over time. Operate device within recommended temperature ranges.
Device does not power on with battery.	Battery not charged; battery not inserted correctly; incompatible device.	Ensure battery is fully charged. Re-insert battery, checking polarity. Verify device compatibility (refer to Section 3).

8. Product Specifications

- **Model:** BA-2B-FNP85-A
- **Battery Type:** Lithium-ion
- **Battery Voltage:** 3.7V
- **Battery Capacity:** 1700mAh
- **Energy:** 6.29Wh (calculated from 3.7V * 1.7Ah)
- **Dimensions:** 1.26 x 0.53 x 1.7 inches
- **Item Weight:** 2.8 ounces
- **Manufacturer:** Kastar
- **Country of Origin:** China





Figure 3: Kastar battery product packaging, highlighting "High Capacity" and "100% Compatible" features.

9. Warranty and Support

Kastar products are designed for quality and reliability. While specific warranty details are not provided in this manual, Kastar typically offers support for its products. Please refer to the product packaging or the official Kastar website for the most up-to-date warranty information and customer support contacts.

For further assistance, you may visit the Kastar Store on Amazon or contact Kastar customer service directly.

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