Kastar BA-1B-F980PRO-0

Kastar NP-F980 Pro Battery Instruction Manual

Model: BA-1B-F980PRO-0 | Brand: Kastar

1. Product Overview

The Kastar NP-F980 Pro Battery is a high-capacity Lithium-Ion battery designed as a replacement for various Sony NP-F series batteries. It features integrated USB charging capabilities, allowing for convenient charging from standard USB power sources and the ability to act as a power bank for other devices. The battery includes a 4-LED indicator for real-time battery status monitoring.



Figure 1: Front view of the Kastar NP-F980 Pro Battery, showing the Kastar logo, LED battery indicators, and USB input/output

ports.

2. Key Features

- **Integrated USB Charging:** Can be charged via Micro USB with a 5V 2A adapter, eliminating the need for a dedicated charger.
- **Power Bank Functionality:** Features a 2.1A USB output port, allowing it to charge other USB-powered devices like smartphones or cameras.
- **Battery Status Indicator:** Equipped with 4 LED lights to easily check the battery's charge level at any time.
- **High Capacity:** Lithium-Ion battery with 7.2V voltage and 8700mAh capacity, providing extended power for compatible devices.
- **Safety Protections:** Built-in over-charge, over-discharge, over-voltage, over-current, and over-heating protection circuits ensure safe operation. Meets UL1642 & CE safety standards.
- **Compatibility:** Designed for Sony NP-F980 Pro, NP-F960, NP-F970, and various CCD-TR series camcorders (e.g., CCD-TR300, CCD-TR311, CCD-TR3000).

3. Setup and Initial Use

3.1 Unpacking

Carefully remove the battery from its packaging. Inspect the battery for any visible damage. The package typically includes one Kastar NP-F980 Pro battery and a USB-A to USB-C charging cable.



Figure 2: The retail packaging for the Kastar battery, indicating high capacity and compatibility.

3.2 Initial Charging

Before first use, it is recommended to fully charge the battery. The battery comes with some charge, but a full charge ensures optimal performance and battery life.

1. Locate the USB-C input port on the side of the battery.
2. Connect the provided USB-A to USB-C cable to the battery's USB-C input port.
3. Plug the USB-A end of the cable into a compatible USB power source (e.g., a 5V 2A wall adapter, computer USB port, or power bank).
4. The LED indicators on the battery will illuminate to show the charging progress. All 4 LEDs will be solid when fully charged.



Figure 3: The Kastar battery connected to a USB-C charging cable, illustrating the charging process.

4. Operating Instructions

4.1 Using the Battery with Compatible Devices

Insert the Kastar NP-F980 Pro battery into the battery compartment of your compatible Sony camcorder or other device that uses NP-F series batteries. Ensure it is securely seated.

4.2 Checking Battery Status

Press the "CHECK" button located next to the LED indicators on the battery. The 4 LED lights will illuminate to show the current charge level:

- 1 LED: 0-25% charge
- 2 LEDs: 25-50% charge
- 3 LEDs: 50-75% charge
- 4 LEDs: 75-100% charge



Figure 4: The Kastar battery displaying its charge level via the four blue LED indicators.

4.3 Using as a Power Bank (USB Output)

The battery can provide power to other devices via its USB-A output port (labeled "2.1A OUTPUT").

1. Locate the USB-A output port on the side of the battery.
2. Connect your device's charging cable (USB-A end) to this port.
3. Connect the other end of the cable to your device. The battery will begin charging your device.



Figure 5: The Kastar battery providing power to an external device via its USB-A output port.

5. Maintenance and Storage

- Keep the battery clean and dry. Use a soft, dry cloth to wipe the surface.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the battery to approximately 50-70% capacity. Avoid storing it fully charged or completely depleted.
- Do not expose the battery to water or excessive moisture.
- Avoid dropping or subjecting the battery to strong impacts.

6. Troubleshooting

6.1 Battery Not Charging

- Ensure the USB cable is securely connected to both the battery and the power source.
- Verify that the power source (e.g., wall adapter) is functioning correctly and provides at least 5V 2A output.

- Try a different USB cable or power source.
- Check if the charging ports on the battery are free of debris.

6.2 Device Not Charging from Battery (Power Bank Function)

- Ensure the battery has sufficient charge (check LED indicators).
- Verify that the cable connecting the battery to your device is functional and correctly inserted.
- Confirm your device is compatible with USB charging and the required input current.

6.3 Shortened Battery Life

- Ensure the battery is being fully charged before use.
- Avoid operating the battery in extreme hot or cold environments, as this can affect performance.
- Over time, all rechargeable batteries experience a natural decrease in capacity.

7. Specifications

Attribute	Value
Model Number	BA-1B-F980PRO-0
Battery Type	Lithium-Ion
Battery Voltage	7.2V
Battery Capacity	8700mAh (64.4Wh)
USB Input	5V 2A (Micro USB)
USB Output	2.1A
Product Dimensions	2.78 x 2.74 x 1.51 inches
Item Weight	10.6 ounces
Manufacturer	Kastar

8. Safety Information

This Kastar lithium-ion battery meets UL1642 & CE safety standards. It incorporates multiple protection features to ensure safe operation:

- Over-charge protection
- Over-discharge protection
- Over-voltage protection
- Over-current protection
- Over-heating protection

Important Safety Warnings:

- Do not incinerate or dispose of in fire.
- Do not disassemble the battery.

- Do not short-circuit the terminals.
- Do not expose to high temperatures (above 140°F / 60°C).
- Keep out of reach of children.
- Dispose of properly according to local regulations.

9. Warranty and Support

Kastar provides a **3-year warranty** for this product, ensuring quality and reliability. For technical support, warranty claims, or any inquiries, please contact Kastar customer service through their official website or the retailer where the product was purchased.

Visit the Kastar Store on Amazon for more information and product updates.

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