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Powerextra NP-F970

Powerextra 4-Channel LCD Battery Charger User Manual

Model: NP-F970 | Brand: Powerextra

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INTRODUCTION

This user manual provides detailed instructions for the safe and efficient operation of your Powerextra 4-Channel LCD Battery Charger. Please read this manual thoroughly before use and retain it for future reference.

Professional 4-Channel Charger Suitable for Sony NPSeries Batteries

Input: 100-240V, 50/60Hz, 60WMax [»»](#)

Output: 8.4V, 1000mA \times 4 [««](#)



NP-F550



NP-F750



NP-F970



NP-FM50

Image: The Powerextra 4-Channel LCD Battery Charger, designed for Sony NP-F series batteries.

SAFETY INFORMATION

To ensure safe operation and prevent damage, observe the following precautions:

- Do not disassemble the charger. Servicing should only be performed by qualified personnel.
- Keep the charger away from water and moisture.
- Use only with compatible batteries as specified in this manual.
- Avoid extreme temperatures. Operate and store the charger in a dry, well-ventilated area.
- Unplug the charger from the power outlet when not in use or during electrical storms.
- This charger incorporates multiple protection features including over-charging, short-circuit, high-temperature, and surge protection.



Image: Visual representation of the charger's six protection features: short circuit, over-charge, over-voltage, over-discharge, over-current, and no memory effect.

PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x Powerextra 4-Channel Battery Charger
- 1x AC Power Cable
- 1x Microfiber Cleaning Cloth

Package Contents

- 1x AC Cable
- 1x 4-Channel Charger
- 1x Microfiber Cleaning Cloth



Image: The charger, AC cable, and cleaning cloth neatly arranged next to the product box.

SETUP

- 1. Connect the AC Power Cable:** Insert one end of the provided AC power cable into the charger's power input port.



Image: Close-up of the charger's power input port.

- 2. Plug into Power Outlet:** Plug the other end of the AC power cable into a standard wall outlet (100-240V, 50/60Hz). The charger's LCD display will illuminate.



Image: Visual steps showing how to insert batteries and connect the charger to a power source.

OPERATING INSTRUCTIONS

- 1. Insert Batteries:** Carefully insert up to four compatible Sony NP-F series batteries into the charging slots. Ensure the battery is oriented correctly according to the arrows on the charger.



Image: A hand inserting a battery into one of the charger's slots.

- 2. Monitor Charging Status:** The LCD display will show the charging status for each battery individually.

- The display indicates the current charge level (0-25%, 25-50%, 50-75%, 75-100%).
- "CHG" indicates charging in progress.
- "ERROR" indicates a charging error.
- "DISCHG" indicates discharging (if applicable, though this model primarily charges).



Image: The charger's LCD screen displaying the charge status of four batteries.



Image: An animated GIF demonstrating the real-time battery power display on the LCD screen.

3. **Charging Completion:** Once a battery is fully charged, its indicator on the LCD will show 100% and stop flashing.
4. **Remove Batteries:** Gently remove the charged batteries from the slots.

Official Product Video

Video: An official product video demonstrating the features and operation of the Powerextra 4-Channel Battery Charger with LCD Display.

COMPATIBILITY

This charger is compatible with the following Sony NP-F series batteries:

- NP-F550
- NP-F570
- NP-F750
- NP-F770
- NP-F930
- NP-F950
- NP-F960
- NP-F970
- NP-F975

It is suitable for use with Sony Handycams, LED video lights, and field monitors that utilize these battery types.

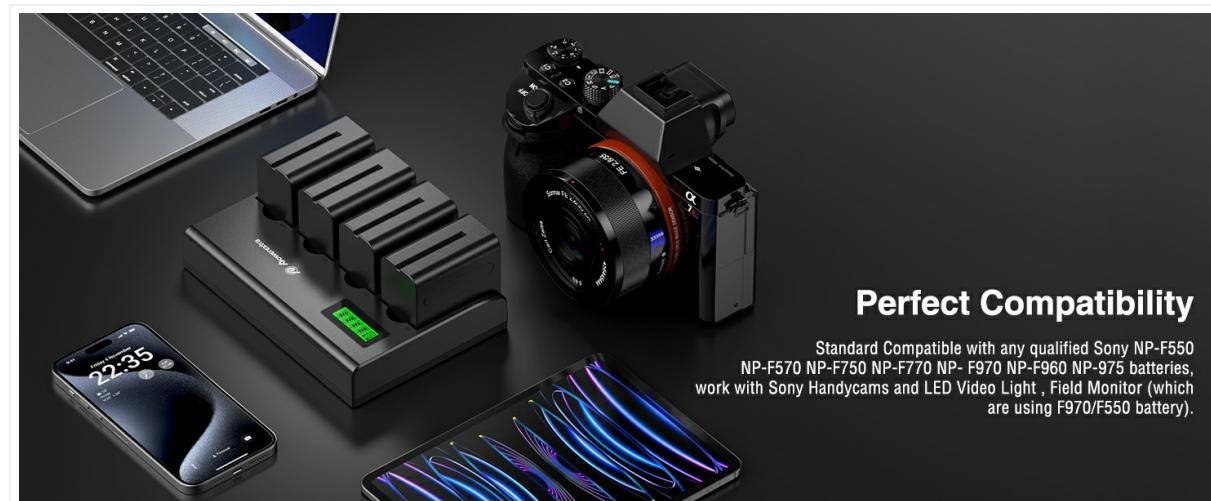


Image: The charger displayed alongside various compatible Sony NP-F series batteries, illustrating its broad compatibility.

KEY FEATURES

- **4-Channel Simultaneous Charging:** Efficiently charges up to four batteries at once.
- **Intelligent LCD Display:** Provides real-time battery power status and charging indication for each slot.
- **Advanced Safety Protections:** Built-in safeguards against over-charging, short-circuiting, high temperatures, and power surges.
- **Wide Voltage Input:** Supports 100-240V, 50/60Hz power input for global use.
- **Compact Design:** Designed for portability and convenience.

Innovative Design

Allowing for charging 4 batteries at the same time



Image: The charger with four batteries inserted, highlighting its innovative design for simultaneous charging.

SPECIFICATIONS

Feature	Detail
Model Number	NP-F970
Input	100-240V, 50/60Hz, 60W Max
Output	DC 8.4V 1000mA x 4
Product Dimensions	7.28 x 5.03 x 1.25 inches (18.49 x 12.78 x 3.18 cm)
Item Weight	10.6 ounces (300 grams)
Manufacturer	Powerextra

Compact Size to Carry



Image: The charger with its dimensions (5.03 in, 7.28 in, 1.25 in) highlighted, showing its compact size.

TROUBLESHOOTING

- **Charger not powering on:** Ensure the AC power cable is securely connected to both the charger and a working wall outlet.
- **Battery not charging:**
 - Verify the battery is correctly inserted into the slot.
 - Check if the battery is compatible with the charger.
 - If the LCD shows "ERROR", the battery might be faulty or severely discharged. Try another battery.
- **Slow charging:** Ensure the power source is stable and meets the input specifications.

MAINTENANCE

- **Cleaning:** Use the provided microfiber cleaning cloth to gently wipe the charger's surface. Do not use liquid cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures

when not in use.

- **Battery Care:** For optimal battery life, avoid fully discharging batteries frequently.

WARRANTY & SUPPORT

Powerextra is committed to customer satisfaction. If you encounter any issues or have questions regarding your product, please contact Powerextra customer service for assistance. Refer to the product packaging or the official Powerextra website for specific warranty details and contact information.

Customer Service: Powerextra is a trustworthy brand that focuses on the customer experience. If you have any questions about the product or it is not clear, please feel free to contact us, we are at your service 24 hours. We listen to every feedback and fine-tune every detail to ensure quality.