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SPANN CS-VBF2E

SPANN Ni-MH Replacement Battery User Manual

Model: CS-VBF2E

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your SPANN Ni-MH replacement battery, model CS-VBF2E. This battery is designed to be compatible with a range of Panasonic camcorder models and their original battery part numbers.

Compatible Panasonic Camcorder Models: PV704D, PV705S, PV710, PV710D, PV715S, PV720, PV720D, PV750, PV750D, PV760.

Compatible Part Numbers: AG-B20P, BP-50, EPK1185, LCS-2012APC, LCS-2012AV.



Image 1: SPANN Ni-MH Replacement Battery (Model CS-VBF2E). This image displays the overall appearance of the battery pack.

2. SETUP

Before initial use, ensure the battery is fully charged. This battery is shipped with a partial charge for safety.

2.1 Initial Charging

1. Insert the battery into a compatible Panasonic camcorder or an external charger designed for Ni-MH batteries.
2. Connect the camcorder or charger to a power source.
3. Allow the battery to charge completely. Refer to your camcorder's or charger's manual for specific charging indicators and times.

2.2 Battery Installation

1. Ensure your camcorder is powered off before installing or removing the battery.
2. Locate the battery compartment on your Panasonic camcorder.
3. Align the battery with the compartment's terminals and slide it in until it clicks securely into place.
4. Close the battery compartment cover, if applicable.

3. OPERATING GUIDELINES

This Ni-MH battery features built-in protection against over-charge, over-discharge, over-heat, over-current, and short-circuit conditions, enhancing its safety and longevity. It also exhibits no memory effect, allowing for charging at any time without significantly impacting its capacity.

3.1 General Use

- Use the battery only with compatible Panasonic camcorders as listed in Section 1.
- Avoid exposing the battery to extreme temperatures during operation.
- If the camcorder indicates low battery, charge the battery promptly to avoid complete discharge.

3.2 Charging

- Always use the original Panasonic charger or a compatible third-party charger designed for Ni-MH batteries.
- Do not leave the battery on charge for extended periods after it is fully charged, although over-charge protection is present.
- Charge the battery in a well-ventilated area.

4. MAINTENANCE AND SAFETY

Proper maintenance and adherence to safety guidelines will extend the life of your battery and ensure safe operation.



Image 2: Caution label on the SPANN battery. This image highlights important safety warnings and product identifiers, including the barcode 4294188028956.

4.1 Storage

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store Ni-MH batteries with a partial charge (around 40-50% capacity).
- Do not store above 60°C (140°F).

4.2 Cleaning

- Wipe the battery's exterior with a soft, dry cloth.
- Ensure the metal contacts are clean and free of debris for optimal connection.

4.3 Safety Warnings

- **WARRANTY VOID IF LABEL IS REMOVED.**
- **DO NOT ATTEMPT TO DISASSEMBLE, OPEN, OR SERVICE THE BATTERY PACK.**
- **DO NOT CRUSH, PUNCTURE, SHORT EXTERNAL CONTACTS, OR DISPOSE OF IN FIRE OR WATER.**
- **REPLACE ONLY WITH THE BATTERY PACK DESIGNATED FOR THIS PRODUCT.**
- **DO NOT STORE ABOVE 60°C (140°F).**

5. TROUBLESHOOTING

If you encounter issues with your SPANN replacement battery, refer to the following common problems and solutions.

- **Battery not charging:**
 - Ensure the battery is correctly inserted into the camcorder or charger.
 - Verify that the charger is properly connected to a power source.
 - Check the battery contacts for dirt or corrosion and clean if necessary.
 - Confirm that the charger is compatible with Ni-MH batteries.
- **Short operating time:**
 - Ensure the battery is fully charged before use.
 - Operating in very cold environments can reduce battery performance.

- If the issue persists after several charge/discharge cycles, the battery may be nearing the end of its lifespan.

- **Battery feels hot during charging/use:**

- A slight warmth is normal. If the battery becomes excessively hot, immediately disconnect it from the charger or device and contact support.
- Ensure adequate ventilation around the charging area.

If troubleshooting steps do not resolve the issue, please contact customer support.

6. SPECIFICATIONS

Feature	Specification
Model Number	CS-VBF2E
Battery Type	Ni-MH (Nickel Metal Hydride)
Voltage	12.0V
Capacity	1800mAh / 21.60Wh
Dimensions (L x W x H)	143.00 x 62.00 x 21.00mm (5.63 x 2.44 x 0.83 inches)
Weight	540.0g (7.1 ounces)
Protection Features	Over-charge, over-discharge, over-heat, over-current, short-circuit protection

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This SPANN replacement battery comes with a **365-day warranty** from the date of purchase. This warranty covers manufacturing defects and ensures the product meets its stated specifications. Please retain your proof of purchase for warranty claims.

7.2 Customer Support

Our products undergo strict quality inspection. If you have any questions, concerns, or require assistance with your SPANN battery, please do not hesitate to contact our customer support team. Provide your product model number (CS-VBF2E) and details of your issue for prompt service.

For support, please refer to the contact information provided by your retailer or on the official SPANN website.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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