

PULADU BSM-2301

PULADU BSM-2301 Nihon Kohden Monitor Battery Instruction Manual

Brand: PULADU | Model: BSM-2301

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your PULADU BSM-2301 Ni-MH rechargeable battery. This battery is designed for compatibility with Nihon Kohden BSM-2300, X062, YS-076P5, and BSM-2301A medical monitors. Please read these instructions carefully before installation and operation.

2. IMPORTANT SAFETY INFORMATION

Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery or device.

- **Do not connect improperly:** Ensure correct polarity when connecting the battery to the device. Incorrect connection can cause damage.
- **Do not dispose of in fire or expose to excess heat:** High temperatures can cause the battery to explode or leak.
- **Do not crush, puncture, incinerate, or short circuit external contacts:** Physical damage or short circuits can lead to overheating, fire, or explosion.
- Keep the battery away from water and moisture.
- Do not disassemble the battery pack.
- Store in a cool, dry place when not in use.
- Dispose of used batteries according to local regulations. Do not dispose of with household waste.



Image: Front view of the PULADU BSM-2301 battery pack, showing the blue casing and the white label with safety warnings and model numbers. The label clearly states "FOR NIHON KOHDEN Battery Pack BSM-2301 BSM-2303 Nickel-metal Hydride Battery" and lists three critical safety instructions.

3. PRODUCT OVERVIEW

The PULADU BSM-2301 is a 12V Nickel-Metal Hydride (Ni-MH) rechargeable battery designed as a replacement or spare for specific Nihon Kohden medical monitors. It provides reliable power for continuous operation of compatible devices.

Key Features:

- **Voltage:** 12 Volts
- **Battery Cell Composition:** Ni-MH
- **Reusability:** Rechargeable
- **Compatibility:** Nihon Kohden BSM-2300, X062, YS-076P5, BSM-2301A monitors.



Image: An angled view of the PULADU BSM-2301 battery pack, highlighting its compact blue casing and the attached wiring harness with a white connector.

4. SETUP AND INSTALLATION

Before installing the battery, ensure the medical monitor is powered off and disconnected from any external power source. Refer to your Nihon Kohden monitor's user manual for specific battery compartment access and installation procedures.

1. Locate the battery compartment on your Nihon Kohden monitor.
2. Open the battery compartment cover.
3. Carefully insert the PULADU BSM-2301 battery, ensuring the correct orientation.
4. Connect the battery's wiring harness to the corresponding port within the monitor's battery compartment. Ensure the connector is fully seated and secure.
5. Close the battery compartment cover securely.
6. Power on the monitor to verify proper battery installation and function.



Image: A close-up view of the white multi-pin connector attached to the red, black, and white wires extending from the battery pack. This connector is crucial for proper installation into the monitor.

5. OPERATING INSTRUCTIONS

Initial Charge:

For optimal performance, it is recommended to fully charge the battery before its first use. Install the battery into your Nihon Kohden monitor and connect the monitor to its AC power adapter. The monitor's charging indicator will typically show the charging status.

Regular Use:

The battery will automatically charge when the monitor is connected to AC power. When operating on battery power, the monitor will indicate the remaining charge level. Recharge the battery when the monitor indicates a low battery warning to prevent unexpected shutdowns.

6. MAINTENANCE AND STORAGE

Battery Care:

- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- Do not expose the battery to extreme temperatures (hot or cold).
- Clean the battery contacts periodically with a dry, lint-free cloth to ensure good electrical connection.

Storage:

If storing the battery for an extended period (more than one month), charge it to approximately 50-70% capacity. Store it in a cool, dry place, away from direct sunlight and extreme temperatures. Recharge the battery every 3-6 months to prevent deep discharge.



Image: A side view of the PULADU BSM-2301 battery pack, showing the blue shrink-wrap casing and the wires neatly exiting one end.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Incorrect installation; faulty charger/monitor; battery defect.	<ul style="list-style-type: none"> Re-install battery, ensuring proper connection. Verify monitor's AC adapter is working. Test with another known good battery if available.
Short battery life	Battery not fully charged; aging battery; high power consumption by monitor.	<ul style="list-style-type: none"> Ensure battery is fully charged before use. Consider replacing the battery if it's old. Reduce monitor's brightness or disable non-essential features if possible.
Monitor not powering on with battery	Battery completely discharged; incorrect installation; battery defect.	<ul style="list-style-type: none"> Connect monitor to AC power to charge the battery. Check battery installation and connections. If issues persist, the battery may be faulty.

8. SPECIFICATIONS

Model Number	BSM-2301
Brand	PULADU
Battery Type	Nickel-Metal Hydride (Ni-MH)
Voltage	12 Volts
Battery Capacity	1 Milliamp Hours
Reusability	Rechargeable
Compatible Devices	Nihon Kohden BSM-2300, X062, YS-076P5, BSM-2301A Monitors
Item Weight	80 Grams
UPC	755346860725
ASIN	B0B2RCPB88

Note: The listed battery capacity of "1 Milliamp Hours" appears to be an error in the source data, as a 12V Ni-MH battery pack for a medical monitor would typically have a much higher capacity (e.g., 1000s of mAh). Please refer to the product

packaging or contact the manufacturer for accurate capacity information.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact PULADU customer service directly. The manufacturer's warranty description is listed as "1" in the product specifications, which typically indicates a 1-year warranty, but this should be confirmed with the seller or manufacturer.

For further assistance, please visit the PULADU brand page on Amazon or contact your retailer.

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