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Smartbitt SBNB900LCD

Smartbitt SBNB900LCD 900VA/450W Interactive UPS User Manual

Model: SBNB900LCD

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Smartbitt SBNB900LCD Interactive Uninterruptible Power Supply (UPS). The SBNB900LCD is designed to protect your electronic equipment from power outages, voltage fluctuations, and power surges, ensuring continuous operation and data integrity. It features a 900VA/450W capacity, six NEMA 5-15R outlets with battery backup, surge suppression, and voltage regulation, along with an LCD display for easy monitoring and a USB port for advanced management.

2. SAFETY INFORMATION

Please read and follow all safety instructions carefully before installing or operating the UPS. Failure to comply with these instructions may result in electric shock, fire, or serious injury.

- This UPS contains hazardous materials (battery). Do not attempt to open or service the battery. Refer to qualified service personnel.
- Do not dispose of the UPS or its battery in fire. The battery may explode.
- Do not open the UPS casing. There are no user-serviceable parts inside.
- Ensure the UPS is connected to a grounded AC power outlet.
- Do not block ventilation openings. The UPS requires adequate airflow to prevent overheating.
- Avoid installing the UPS in areas with excessive moisture, dust, or extreme temperatures.
- Disconnect the UPS from the power outlet before cleaning or performing any maintenance.
- The UPS is designed for indoor use only.

Warning: This item contains a battery which is considered hazardous material. Hazardous materials such as flammable, pressurized, corrosive substances, etc., cannot be returned. If you receive a damaged product or have any issues, please contact customer service.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- Smartbitt SBNB900LCD UPS Unit
- Software CD (for monitoring)
- USB Cable (for monitoring)
- User Manual (this document)

4. PRODUCT OVERVIEW

4.1 Front Panel



Image 1: Front view of the Smartbitt SBNB900LCD UPS. This image displays the front of the UPS unit, featuring the LCD screen, power button, and the Smartbitt logo with the model number NB900LCD. The unit is black with ventilation grilles on the sides.



Image 2: Front view of the Smartbitt SBNB900LCD UPS with illuminated LCD display. This image shows the UPS from the front, with its LCD screen actively displaying information such as input/output voltage, battery status, and operating mode. The power button is visible below the screen.

- **LCD Display:** Provides real-time status information including input/output voltage, battery level, load capacity, and operating mode.
- **Power Button:** Used to turn the UPS on or off.

4.2 Rear Panel



Image 3: Rear view of the Smartbitt SBNB900LCD UPS. This image highlights the back panel of the UPS, showing six NEMA 5-15R outlets, a USB port, and RJ45 input/output ports for telephone line protection. The main power cord is also visible.

- **NEMA 5-15R Outlets (x6):** Provides battery backup, surge protection, and voltage regulation for connected devices.
- **USB Port:** For connecting to a computer to use the monitoring software.
- **RJ45 IN/OUT Ports:** Provides surge protection for telephone/network lines.
- **AC Input Cord:** Connects the UPS to the wall power outlet.
- **Circuit Breaker/Reset Button:** Protects against overload. Press to reset if tripped.

5. SETUP

1. **Unpacking:** Carefully unpack the UPS and inspect it for any shipping damage. Keep the packaging materials for future transport or storage.
2. **Placement:** Place the UPS in a clean, dry, and well-ventilated area, away from direct sunlight, heat sources, and excessive moisture. Ensure adequate space around the unit for proper airflow. The unit is designed for tower form factor and can be wall-mounted.
3. **Initial Charging:** Before initial use, connect the UPS to a standard wall outlet and allow it to charge for at least 8 hours. This ensures the battery is fully charged and ready to provide optimal backup time.
4. **Connecting Equipment:**

- Plug your critical electronic devices (e.g., computer, monitor, modem, router, small home office equipment) into the six NEMA 5-15R outlets on the rear panel. These outlets provide battery backup, surge protection, and voltage regulation.
 - For telephone/network line protection, connect your incoming line to the "IN" RJ45 port and your device (e.g., modem) to the "OUT" RJ45 port.
5. **USB Connection (Optional):** Connect the supplied USB cable from the UPS's USB port to an available USB port on your computer. Install the monitoring software from the included CD to enable advanced power management features and status monitoring.

6. OPERATING INSTRUCTIONS

1. **Turning On the UPS:** After initial charging, press and hold the power button on the front panel for approximately 2 seconds until you hear a beep and the LCD display illuminates.
2. **Turning Off the UPS:** To turn off the UPS, press and hold the power button for approximately 2 seconds until you hear a beep and the LCD display turns off. Ensure all connected devices are properly shut down before turning off the UPS.
3. **LCD Display:** The LCD display provides real-time information about the UPS status.
 - **Input Voltage:** Displays the incoming utility power voltage.
 - **Output Voltage:** Displays the voltage supplied by the UPS to connected devices.
 - **Battery Level:** Indicates the current charge level of the internal battery.
 - **Load Capacity:** Shows the percentage of the UPS's capacity being used by connected devices.
 - **Operating Mode:** Indicates if the UPS is operating on AC power (AC Mode) or battery power (Batt. Mode).
4. **Battery Backup Operation:** In the event of a power outage or significant voltage fluctuation, the UPS will automatically switch to battery power. An audible alarm will sound, and the LCD will indicate "Batt. Mode". This provides up to 40 minutes of backup power, depending on the connected load, allowing you to save work and safely shut down equipment.
5. **Overload Protection:** If the connected load exceeds the UPS's capacity (450W), an overload alarm will sound, and the UPS may shut down. Disconnect non-essential equipment and press the circuit breaker reset button on the rear panel if it has tripped.

7. MAINTENANCE

- **Battery Care:** The internal battery has a typical lifespan of 3-5 years. To maximize battery life, ensure the UPS is kept in a cool, dry environment and fully charged. Avoid frequent deep discharges.
- **Battery Replacement:** Battery replacement should only be performed by qualified service personnel. Contact Smartbitt support for assistance.
- **Cleaning:** Disconnect the UPS from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.
- **Storage:** If storing the UPS for an extended period, ensure the battery is fully charged. Recharge the battery every 3 months to prevent permanent damage. Store in a cool, dry place.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
UPS does not turn on.	Battery not charged. Power cord disconnected. UPS is overloaded.	Charge the UPS for at least 8 hours. Ensure the power cord is securely connected to a live outlet. Reduce the connected load and press the circuit breaker reset button.
UPS beeps continuously in AC mode.	Overload condition. Internal fault.	Reduce the connected load. Contact Smartbitt support.
Short backup time.	Battery not fully charged. Battery nearing end of life. Excessive load.	Allow UPS to charge for 8-12 hours. Consider battery replacement (contact support). Reduce the number of connected devices.
LCD display is dim or not working.	Power saving mode. Internal issue.	The display may dim after a period of inactivity. Press any button to reactivate. If persistent, contact Smartbitt support.

9. SPECIFICATIONS

Feature	Detail
Model	SBNB900LCD
Capacity	900 VA / 450 W
Input Voltage	900 Volts (Nominal)
Output Wattage	480 Watts
Frequency	50 Hz (Note: Check local power grid frequency for compatibility, typically 60Hz in North America.)
Outlets	6 x NEMA 5-15R (Battery Backup, Surge Protection, Voltage Regulation)
Data Line Protection	RJ45 (Telephone/Network)
Communication Port	USB
Display Type	LCD
Battery Type	Alkaline (Included)
Typical Backup Time	Up to 40 minutes (depending on load)
Dimensions (L x W x H)	14 x 33.2 x 22 cm
Weight	5 kg
Material	Plastic

Feature	Detail
Form Factor	Tower (Wall-mountable)
Included Accessories	UPS Unit, Software CD, USB Cable

10. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the official Smartbitt website or contact their customer service department.

- **Official Datasheet:** For detailed technical specifications, you can refer to the official product datasheet.



Image 4: QR code linking to the Smartbitt SBNB900LCD datasheet. Scan this QR code or click the link to access the official product specifications and additional information.

[Download Smartbitt SBNB900LCD Datasheet \(PDF\)](#)

- **Customer Service:** Refer to the contact information provided with your product or on the Smartbitt official website for support.

