BCXY CS-WRS300PW

BCXY Replacement Battery User Manual for Worx Landroid Robotic Lawn Mowers

Model: CS-WRS300PW

1. Introduction

This manual provides essential instructions for the safe and effective use of your BCXY CS-WRS300PW replacement lithium-ion battery. This battery is designed to be compatible with various Worx Landroid robotic lawn mower models. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

1.1. Compatible Models

This battery is compatible with the following Worx Landroid robotic lawn mower models:

- WR102SI
- WR100SI
- WR115MI
- Landroid S500i
- WR105SI.1
- Landroid S450i 2018
- Landroid S700i 2018
- Landroid S700i
- WR106SI
- WR105SI
- Landroid S300 2018

1.2. Compatible Battery Part Numbers

This battery replaces the following original part numbers:

- 50032492

- 50032774
- WA3231
- WA3230

2. Safety Information

WARNING: Failure to follow these safety instructions may result in fire, electric shock, or other injury.

- **DO NOT** attempt to disassemble, open, or service the battery pack.
- **REPLACE ONLY** with the battery pack designated for this product.
- **DO NOT** crush, puncture, short external contacts, or dispose of in fire or water.
- **DO NOT** store above 60°C (140°F).
- Keep the battery away from children.
- Dispose of used batteries according to local regulations.
- Ensure the battery is fully charged before initial use.
- Avoid exposing the battery to extreme temperatures or direct sunlight.

3. Product Overview

The BCXY CS-WRS300PW is a high-quality lithium-ion replacement battery designed to meet the specifications of your Worx Landroid robotic lawn mower. It features overcharge, over-discharge, over-voltage, and short-circuit protection for enhanced safety and battery life.



Image 3.1: Top view of the BCXY CS-WRS300PW replacement battery, showing the model number, part numbers (WA3230, WA3231), rating (20.0VDC, 2500mAh, 50.00Wh), and safety warnings. The battery features a black casing with a white connector and colored wires (red, blue, yellow, black).



Image 3.2: Angled view of the BCXY CS-WRS300PW battery, clearly showing the white multi-pin connector with its attached colored wires (red, blue, yellow, black) extending from the battery pack. The battery label with specifications and warnings is also visible.



Image 3.3: Close-up view of the white multi-pin connector, highlighting the individual colored wires (red, blue, yellow, black) and their connection points. This connector is crucial for proper installation into the Worx Landroid device.

4. Setup and Installation

Before installing the new battery, ensure your Worx Landroid robotic lawn mower is powered off and disconnected from any charging source. Refer to your Landroid's original user manual for specific battery compartment access instructions.

1. **Power Off:** Turn off your Landroid mower completely.
2. **Locate Battery Compartment:** Identify and open the battery compartment on your Landroid. This usually involves removing a cover secured by screws.
3. **Remove Old Battery:** Carefully disconnect the old battery's connector from the mower's port. Lift out the old battery.
4. **Insert New Battery:** Place the BCXY CS-WRS300PW replacement battery into the compartment, ensuring it fits securely.
5. **Connect Battery:** Align the new battery's connector with the mower's port and push firmly until it clicks into place. Ensure the connection is secure.
6. **Close Compartment:** Replace the battery compartment cover and secure it with screws.
7. **Initial Charge:** Place your Landroid back on its charging station to allow the new battery to fully charge before its first use. New battery packs must be fully charged before use.

Note: Always handle batteries with care. If you encounter any resistance during installation, do not force the connection. Double-check the orientation and compatibility.

5. Operating Instructions

Once installed and fully charged, your BCXY replacement battery will power your Worx Landroid robotic lawn mower as intended. Follow your Landroid's original operating instructions for scheduling, mowing, and other functions.

5.1. Charging

- Always charge the battery using the original Worx Landroid charging station or an approved compatible charger.
- Ensure the Landroid is properly docked for charging.
- Avoid interrupting the charging cycle frequently.

5.2. Usage

- Allow the battery to discharge naturally during mowing cycles.
- Avoid completely draining the battery whenever possible, as this can reduce its overall lifespan.
- If the Landroid indicates a low battery, allow it to return to its charging station promptly.

6. Maintenance

Proper maintenance can extend the life and performance of your BCXY replacement battery.

- **Cleaning:** Keep the battery and its contacts clean and free from dirt or debris. Use a dry, soft cloth for cleaning.
- **Storage:** If storing the Landroid for an extended period (e.g., winter), ensure the battery is charged to approximately 50-70% before storage. Store in a cool, dry place, away from direct sunlight and extreme

temperatures.

- **Regular Use:** For optimal battery health, avoid leaving the battery unused for very long periods. Occasional use or charging cycles are beneficial.
- **Inspection:** Periodically inspect the battery for any signs of damage, swelling, or leakage. If any issues are observed, discontinue use immediately and replace the battery.

7. Troubleshooting

If you experience issues with your BCXY replacement battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**
  - Ensure the Landroid is correctly docked on the charging station.
  - Check the charging station and power adapter for proper connection and power supply.
  - Inspect battery contacts on both the battery and the Landroid for dirt or corrosion. Clean if necessary.
  - Verify that the battery connector is securely plugged into the Landroid.
- **Short Operating Time:**
  - Ensure the battery has been fully charged. New batteries may require a few charge/discharge cycles to reach full capacity.
  - Check for any obstructions or difficult terrain that might be causing the Landroid to work harder, thus consuming more power.
  - If the battery is old, its capacity may have naturally degraded over time.
- **Landroid Not Powering On:**
  - Confirm the battery is fully charged.
  - Ensure the battery is correctly installed and the connector is secure.
  - If the issue persists, consult your Worx Landroid's original manual for further troubleshooting or contact support.

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

8. Specifications

Feature	Detail
Model Number	CS-WRS300PW
Battery Type	Lithium Ion
Voltage	20.0V
Capacity	2500mAh
Watt-Hours (Wh)	50.0Wh
Product Dimensions	2.72 x 3.76 x 0.98 inches (95.5 x 69.0 x 25.0mm)
Item Weight	8.8 ounces (250.0g)

Feature	Detail
Certifications	ISO9001, RoHS, CE, UN38.3, MSDS
Manufacturer	Estry

9. Warranty and Support

Your BCXY replacement battery is manufactured to high-quality standards and comes with certifications for quality assurance (ISO9001, RoHS, CE, UN38.3, MSDS).
For any questions, concerns, or professional suggestions regarding your battery, please contact our customer support. When contacting support, please provide your battery details or pictures to assist us in providing the best possible assistance.
Additional information about battery products may be available from the manufacturer of the battery cell, Cameron Sino, at their official website: http://www.cameronsino.com