

SPANN CS-MKT090PX

SPANN 10.8V Li-ion Battery Replacement for Makita Power Tools (Model CS-MKT090PX) User Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your SPANN 10.8V Li-ion Battery Replacement, Model CS-MKT090PX. This battery is designed as a direct replacement for specific Makita 10.8V power tools and their original battery part numbers. Please read this manual thoroughly before initial use to ensure proper operation, maximize battery life, and prevent potential hazards.

2. SAFETY INFORMATION

WARNING: Failure to follow these safety instructions may result in fire, electric shock, explosion, or other hazards, causing serious injury and/or property damage.

- Always use the correct charger for Li-ion batteries. Using an incompatible charger may damage the battery or cause fire.
- Do not attempt to disassemble, open, or service the battery pack. Warranty is void if the label is removed.
- Do not crush, puncture, short external contacts, or dispose of in fire or water.
- Do not store above 60°C (140°F). Avoid direct sunlight and high temperatures.
- Keep the battery away from children.
- If the battery leaks, avoid contact with the liquid. In case of contact, rinse immediately with water and seek medical attention.
- Dispose of used batteries according to local regulations. Do not dispose of with household waste.

3. PRODUCT OVERVIEW

Battery Components

The SPANN replacement battery is designed to seamlessly integrate with your compatible Makita power tools. It features a robust casing and standard connection terminals.



Figure 3.1: Angled view of the SPANN 10.8V Li-ion replacement battery, showing its compact design and connection interface.



Figure 3.2: Bottom view of the SPANN 10.8V Li-ion battery, displaying the product label with model number CS-MKT090PX, voltage, capacity, and safety warnings.

4. COMPATIBILITY

This SPANN battery replacement (Model CS-MKT090PX) is compatible with various Makita 10.8V power tools and their original battery part numbers. Please verify your tool's model or original battery part number for compatibility.

Compatible Makita Tool Models:

- DA331DWE
- DA331DZ
- DF030
- DF030D
- DF030DFE
- DF030DWE
- DF030DWX
- DF030DZ

Compatible Original Battery Part Numbers:

- 194550-6
- 194551-4
- 195332-9
- BL1013
- BL1014

5. SPECIFICATIONS

Feature	Specification
Battery Type	Li-ion
Model Number	CS-MKT090PX
Voltage	10.8V
Capacity	2500mAh / 27.00Wh
Dimensions (L x W x H)	51.20 x 50.90 x 77.50mm (approx.)
Weight	359g (approx.)
Protection Features	No memory effect, over-charge, over-discharge, over-heat, over-current, short-circuit protection

6. SETUP AND INSTALLATION

6.1 Charging the Battery

Before first use, fully charge the battery. Use only a charger specifically designed for 10.8V Li-ion batteries compatible with Makita tools.

1. Ensure the battery is clean and dry before charging.
2. Insert the battery securely into the compatible charger.
3. Connect the charger to a power outlet.
4. Allow the battery to charge until the charger's indicator light signals a full charge (refer to your charger's manual for specific indicators).
5. Once fully charged, disconnect the charger from the power outlet and remove the battery.

6.2 Installing the Battery into a Power Tool

Always ensure the power tool is turned off before installing or removing the battery.

1. Align the battery with the battery slot on your Makita power tool.
2. Slide the battery into the slot until it clicks securely into place. Ensure it is fully seated and does not wobble.
3. To remove the battery, press the release button(s) on the battery or tool (depending on the tool design) and slide the battery out.

7. OPERATING INSTRUCTIONS

Once installed, the battery powers your compatible Makita tool. Operate the tool according to its specific instruction manual. The battery features advanced protection mechanisms to prevent damage from over-charge, over-discharge, over-heat, over-current, and short-circuits, ensuring reliable performance.

- Monitor the tool's performance. If the tool's power significantly decreases, it indicates the battery needs recharging.
- Avoid completely draining the battery repeatedly, as this can reduce overall battery life, although the battery has over-discharge protection.

8. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your SPANN replacement battery.

- **Cleaning:** Keep battery terminals clean and free of dirt or debris. Use a dry cloth to wipe the battery.
- **Storage:** For long-term storage, charge the battery to approximately 50-70% capacity. Store in a cool, dry place away from direct sunlight, heat sources, and moisture.
- **Temperature:** Avoid storing the battery in extreme temperatures (above 60°C / 140°F or below -20°C / -4°F).
- **Periodic Charging:** If stored for extended periods, recharge the battery every 3-6 months to maintain its health.

9. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; dirty battery terminals; battery too hot/cold	Check charger connection; try a different charger; clean terminals; allow battery to reach room temperature.

Problem	Possible Cause	Solution
Tool not operating	Battery not fully charged; battery not properly installed; battery fault	Charge battery fully; ensure battery is clicked into place; if problem persists, contact support.
Reduced run time	Battery not fully charged; battery nearing end of life; operating in extreme conditions	Ensure full charge; consider battery replacement if old; operate within recommended temperature range.

If the problem persists after attempting these solutions, please contact SPANN customer support.

10. WARRANTY AND SUPPORT

Your 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.

The warranty does not cover damage caused by misuse, abuse, unauthorized modification, improper storage, or normal wear and tear.

For warranty claims, technical assistance, or any questions regarding your SPANN battery, please contact our customer support team through the retailer where the product was purchased or via the contact information provided on the product packaging or official website.

Please have your purchase receipt and the battery model number (CS-MKT090PX) available when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

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