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## DTK FX0111-1

# DTK 2.5Ah Lithium-Ion 24V Battery Replacement FX0111-1 User Manual

Model: FX0111-1

## 1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your DTK 2.5Ah Lithium-Ion 24V Battery, model FX0111-1. This battery is designed as a high-quality replacement for Flex 24V power tools, offering reliable performance and extended runtime.



Image 1.1: The DTK 2.5Ah Lithium-Ion 24V Battery, model FX0111-1.

#### Key Features:

- **Battery Type:** Lithium-Ion
- **Capacity:** 2.5Ah (2500mAh)
- **Voltage:** 24V
- **Compatibility:** Designed for Flex 24V tools and original 24V chargers.
- **Integrated LED Indicator:** Displays current battery charge level.
- **Multi-Protection Technology:** Includes safeguards against over-charging, over-discharging, over-current, short-circuit, over-voltage, and over-heating.
- **Durable Construction:** Battery case made from ABS+PC materials for sturdiness and fire resistance.

## 2. SAFETY INFORMATION

**Read all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.**

- Always use the battery with compatible Flex 24V tools and original 24V chargers.

- Do not expose the battery to water, rain, or extreme temperatures.
- Do not store the battery in direct sunlight or near heat sources.
- Avoid dropping, puncturing, or disassembling the battery.
- Do not short-circuit the battery terminals.
- If the battery shows signs of damage, leakage, or overheating, discontinue use immediately and dispose of it properly.
- Keep the battery out of reach of children.
- Dispose of used batteries according to local regulations. Do not dispose of in household waste.



Image 2.1: The DTK battery features multiple protection technologies and a durable ABS+PC case for enhanced safety.

### 3. INSTALLATION AND CHARGING

#### 3.1 Installing the Battery

1. Ensure the power tool is turned off and disconnected from any power source.
2. Align the battery with the battery slot on your Flex 24V tool.
3. Slide the battery into the slot until it clicks securely into place. Do not force the battery.
4. To remove, press the battery release button (if present on your tool) and slide the battery out.

#### 3.2 Charging the Battery

The DTK 2.5Ah Lithium-Ion 24V battery is compatible with original 24V chargers. Always use a charger specifically designed for 24V Lithium-Ion batteries.

1. Connect the charger to a power outlet.
2. Slide the battery onto the charger until it is securely seated.
3. The charger's indicator lights will show the charging status. Refer to your charger's manual for specific light patterns.
4. The battery features an LED indicator that shows its charge level. Press the button on the battery to activate the indicator lights.
5. Once fully charged, remove the battery from the charger.

## Upgraded Lithium-ion Battery Replacement for Flex 24V 2.5Ah

Capacity  
2500Ah

Type  
Lithium-ion

Voltage  
24V



Image 3.1: The battery's LED indicator provides real-time feedback on the charge level.

## Perfectly Compatible With FLEX 24V Tools and Chargers



Image 3.2: Visual representation of the battery life indicator lights.

### 4. OPERATION

The DTK 2.5Ah Lithium-Ion 24V battery provides consistent power for your Flex 24V tools. Its 2.5Ah capacity ensures a longer runtime, allowing for more efficient work.

- Ensure the battery is fully charged before starting any task to maximize performance.
- Monitor the battery's LED indicator during use to anticipate when a recharge is needed.
- For optimal battery life, avoid completely draining the battery before recharging.

# Multi-Protection Technology



## 2500mAh



**Over-discharge  
Protection**



**Over-charge  
Protection**



**Over-current  
Protection**



**Short-circuit  
Protection**



**Over-voltage  
Protection**



**Over-heating  
Protection**

Image 4.1: The DTK battery is perfectly compatible with a wide range of Flex 24V tools.

## More Running Time Battery Life Indicator Lights



Image 4.2: The DTK battery powers various outdoor tools for efficient operation.

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Video 4.1: A 32-second video showcasing the DTK 2.5Ah Lithium-Ion 24V Battery, model FX0111-1, from various angles.

## 5. MAINTENANCE AND STORAGE

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

- **Cleaning:** Keep the battery terminals clean and free of debris. Use a dry cloth to wipe the battery exterior. Do not use liquids or solvents.
- **Charging Habits:** This Lithium-Ion battery has no memory effect, meaning it can be charged or discharged as needed without capacity reduction. However, for long-term health, avoid leaving it fully discharged for extended periods.
- **Storage:** Store the battery in a cool, dry place, away from direct sunlight, moisture, and extreme temperatures. Ideally, store it at a partial charge (around 50%) if not used for an extended period.
- **Temperature:** Do not store or charge the battery in temperatures below 0°C (32°F) or above 40°C (104°F).

## 6. TROUBLESHOOTING

If you encounter issues with your DTK battery, refer to the following common solutions:

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery too hot/cold; damaged battery.	Check charger connection; try a different outlet/charger; allow battery to reach room temperature; inspect battery for damage.
Short runtime	Battery not fully charged; heavy tool usage; battery nearing end of life; extreme operating temperatures.	Ensure full charge; reduce load if possible; consider battery replacement if old; operate within recommended temperature range.
Battery not fitting tool/charger	Incorrect model; debris in slot.	Verify battery model FX0111-1 is compatible with your Flex 24V tool/charger; clear any debris from slots.
Battery overheating	Overuse; faulty battery/charger.	Allow battery to cool down; discontinue use if overheating persists; contact support if issue continues.

## 7. SPECIFICATIONS

Specification	Detail
Brand	DTK
Model Number	FX0111-1
Battery Type	Lithium-Ion
Voltage	24 Volts (DC)
Capacity	2.5Ah (2500 Milliamp Hours)
Item Weight	2.2 pounds
Package Dimensions	7.68 x 5.55 x 2.91 inches
Safety Protections	Over-charging, Over-discharging, Over-current, Short-circuit, Over-voltage, Over-heating
Case Material	ABS+PC
Recommended Uses	Indoor/Outdoor power tools

## 8. WARRANTY AND SUPPORT

Your DTK 2.5Ah Lithium-Ion 24V Battery comes with a commitment to quality and customer satisfaction.

- **Warranty:** This product includes a 12-month limited warranty from the date of purchase.
- **Money-Back Guarantee:** A 30-day money-back guarantee is provided for your peace of mind.
- **Customer Service:** For any questions, concerns, or support needs, please contact us through the "Your Orders" tab in your Amazon account. We aim to provide a satisfactory solution within 24 hours.

