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› SHINTYOOL 21V Lithium Battery User Manual

## SHINTYOOL B5503

# SHINTYOOL 21V Lithium Battery User Manual

## 1. PRODUCT OVERVIEW

This manual provides instructions for the SHINTYOOL 21V Lithium Battery with Electric Quantity Display and its accompanying charger adapter. This 4.0 Ah battery is designed for compatibility with various power tools, such as leaf blowers and mini saws, offering reliable and efficient power. It features a 4-LED fuel gauge for power display and a multi-protect safety system.



Image 1.1: The SHINTYOOL 21V Lithium Battery and its charger adapter.

## 2. IMPORTANT SAFETY INFORMATION

Please read and understand 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.

- Do not attempt to open the battery casing.
- Protect the battery from continuous intense sunlight, fire, water, and excessive moisture.
- Do not damage the battery with sharp objects.
- Do not discard this product improperly. Dispose of batteries according to local regulations.
- Overcharging the device will reduce the life of the battery. Unplug it from the charger in a timely manner to avoid overcharging.
- If the battery does not last 10 minutes, it may be caused by overheating. Please wait for 5 minutes for the battery to cool down before attempting to use it again.
- After receiving the product, fully charge the battery before its first use.
- To protect the battery, do not charge it for extended periods. The optimal charging time is not more than 6 hours. Avoid charging the battery overnight.
- Always remove the battery pack from your tool when assembling parts, making adjustments, cleaning, or when not being used for an extended time.
- Do not leave the battery dormant for long periods of time. It is recommended to use the battery at least once every two to three weeks to maintain its health.

### **3. COMPONENTS AND FEATURES**

The SHINTYOOL 21V Lithium Battery is designed with user convenience and safety in mind, incorporating several key features:

#### **3.1 Precise Interface**

The battery features a precise interface designed to ensure compatibility with various power tools. It performs the same as original equipment, allowing for broad application across different brands.

# Details Show



## Precise Interface

perform the same as original, real testing can be compatible with different brands.

## ABS+PC Case

press the top of button to release battery easily



## LED indicator

Check the working status of the battery at any time

Image 3.1: Detailed view of the battery's precise interface for tool connection.

### 3.2 Durable ABS+PC Case

The battery is encased in a robust ABS+PC material, providing durability and protection. It includes a release button on top for easy removal from compatible tools.



## LED INDICATOR

**Warm Notes:**

Battery indicator light is 4 light bar, you can clearly understand the remaining power and organize the work in a reasonable way 25% 50% 75% 100%, battery light won't light up unless you will press the battery button, in order to reduce battery.

Image 3.2: The durable ABS+PC casing and the red release button.

### 3.3 LED Indicator for Electric Quantity Display

A 4-LED fuel gauge is integrated into the battery, allowing you to check the remaining power at any time. The battery light will only illuminate when you press the battery button, conserving power.

# HIGH-CAPACITY

**4.0Ah**

**10 PCS  
BATTERY**



**Led  
Indicator**

**Over-charge  
protection**

**Over-heating  
protection**

**Over-discharge  
protection**

**Over-current  
protection**

**Over-voltage  
protection**

Image 3.3: The LED indicator showing battery charge level.

### 3.4 High Capacity and Internal Structure

The 4.0Ah capacity is achieved through 10 high-quality lithium-ion cells. This design ensures extended working times for your power tools.

# Battery Power Upgraded

## Low Speed

**45-65 Minutes**  
working time

## High Speed

**25-45 Minutes**  
working time



Image 3.4: Illustration of the battery's internal cell arrangement and capacity.

## 4. COMPATIBILITY

Our 21V Lithium Battery is designed to be compatible with certain major brands of power tools, including those that use bl1860b, bl1850, bl1840, bl1850b-2, bl1845, bl1830, bl1820, bl1815, and LXT-400 series batteries. For specific model information and to confirm compatibility with your tools, please feel free to contact us.

## Our Batteries Are Compatible With Some Major Brands, Please Feel Free To Contact Us For More Model Information



Image 4.1: The SHINTYOOL battery shown with examples of compatible power tools.

**Important Note:** Our 21V battery is very similar in appearance to another 20V-21V "III" battery. However, the compatible tools and brands for these two battery types are different. Please ensure you do not confuse them to avoid making an incorrect purchase. If you have any doubts, inquire to learn more before purchasing.

Note: Our 21v battery is very similar to another 20v-21v "III" battery but the compatible tools and brands are different, please do not confuse and make a wrong purchase. Feel free to inquire to learn more.



Image 4.2: Visual comparison between the SHINTYOOL 21V battery and a similar 20V-21V "III" battery.

## 5. SETUP AND CHARGING

### 5.1 Initial Charging

Before the first use, it is crucial to fully charge the battery. This helps to optimize battery life and performance.

### 5.2 Charging Process

The included charger adapter supports a 100-240V universal standard AC input voltage and provides 1A power output. To charge the battery:

1. Connect the charger adapter to a standard wall outlet.
2. Connect the charger's output plug to the charging port on the battery.
3. Observe the LED indicator on the charger to monitor the charging status.

### 5.3 LED Indicators for Charging Status

The charger features an LED indicator to easily show the charging situation:

- **Red light:** Indicates charging is in progress.
- **Green light:** Indicates charging is finished.

# LED Indicators for Charging Status



Image 5.1: LED indicators on the charger showing charging status.

**Important Charging Notes:** To protect the battery and prolong its life, do not charge for more than 6 hours. Avoid charging the battery overnight as this can severely damage its lifespan.

## 6. OPERATION

### 6.1 Attaching the Battery to a Tool

Align the battery with the battery slot on your compatible power tool. Slide the battery firmly into place until it clicks, indicating it is securely locked. Ensure the battery is fully seated before operating the tool.

### 6.2 Detaching the Battery from a Tool

To remove the battery, press the red release button located on the top of the battery pack and slide the battery out of the tool's slot.



Image 6.1: Demonstrating how to attach the battery to a power tool.

### 6.3 Checking Battery Level During Use

Press the power button on the battery to activate the 4-LED fuel gauge. This allows you to check the remaining power and plan your work accordingly (25%, 50%, 75%, 100% charge indicated by the number of lit LEDs).

## 7. MAINTENANCE AND STORAGE

Proper maintenance and storage are essential for prolonging the life of your SHINTYOOOL 21V Lithium Battery:

- Keep the battery clean and dry. Avoid exposure to dust, dirt, and moisture.
- Store the battery in a cool, dry place away from direct sunlight and extreme temperatures.
- If the battery will not be used for an extended period, store it with a partial charge (around 50%). Avoid storing it fully charged or completely depleted.
- Periodically check the battery for any signs of damage, such as cracks or swelling. Do not use a damaged battery.
- As mentioned in the safety section, use the battery at least once every two to three weeks to prevent it from becoming dormant for too long.

## 8. TROUBLESHOOTING

Here are some common issues and their potential solutions:

- **Battery not charging:** Ensure the charger is properly plugged into a working outlet and securely connected to the battery. Check the charger's LED indicator. If the light is not red, there might be an issue with the connection or the charger itself.
- **Battery not holding a charge / Short run time:**
  - Ensure the battery was fully charged before use.
  - If the battery does not last 10 minutes, it may be caused by overheating. Allow the battery to cool down for at least 5 minutes before attempting to use or charge it again.
  - Avoid overcharging the battery, as this can reduce its lifespan.
  - Ensure the battery has not been left dormant for long periods. Regular use (every 2-3 weeks) is recommended.
- **Battery not fitting tool:** Double-check the compatibility information. As noted in Section 4, there are similar-looking batteries that are not interchangeable. Ensure you have the correct SHINTYOOOL 21V battery for your specific tool.

- **LED fuel gauge not lighting up:** Ensure you are pressing the battery button to activate the display. The LEDs only light up when the button is pressed to conserve power.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact SHINTYOOL customer support for assistance.

## 9. TECHNICAL SPECIFICATIONS

Feature	Specification
Battery Voltage	21V
Battery Capacity	4000 mAh (4.0 Ah)
Battery Type	Lithium Ion
Power Display	4 LED Fuel Gauge
Charger Input Voltage	100-240V AC
Charger Output Current	1A
Safety Features	Overload Protection, Overheat Protection, Over-discharge Protection
Product Dimensions	4.7 x 3 x 2.8 inches
Item Weight	9 ounces
Model Number	B5503

## 10. WARRANTY AND SUPPORT

SHINTYOOL stands behind the quality of its products. In the event of any non-human damage or if you are not completely satisfied with your product for any reason, we will immediately provide you with a full refund or replace your item.

For customer support, warranty claims, or further inquiries, please contact SHINTYOOL directly through the retailer where you purchased the product or visit the official SHINTYOOL store online.

**SHINTYOOL Store:** [Visit the SHINTYOOL Store on Amazon](#)