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› Duotipa EB-BG998ABY Replacement Battery for Samsung Galaxy S21 Ultra 5G SM-G998 Instruction Manual

Duotipa EB-BG998ABY

Duotipa EB-BG998ABY Replacement Battery for Samsung Galaxy S21 Ultra 5G SM-G998 Instruction Manual

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, use, and maintenance of your Duotipa EB-BG998ABY replacement battery for the Samsung Galaxy S21 Ultra 5G (SM-G998). Please read this manual thoroughly before proceeding with installation or use.

2. PRODUCT OVERVIEW

The Duotipa EB-BG998ABY battery is designed as a direct replacement for the original battery in the Samsung Galaxy S21 Ultra 5G (SM-G998) model. It comes with a repair tool kit to assist with the installation process.

2.1 Package Contents

- 1 x Duotipa EB-BG998ABY Replacement Battery
- 1 x Repair Tool Kit (typically includes screwdrivers, prying tools, suction cup, adhesive)



Image 1: Duotipa EB-BG998ABY battery and the accompanying repair tool kit.

2.2 Compatible Models

- Samsung Galaxy S21 Ultra 5G (SM-G998)

Please verify your phone's model number before proceeding with the battery replacement.

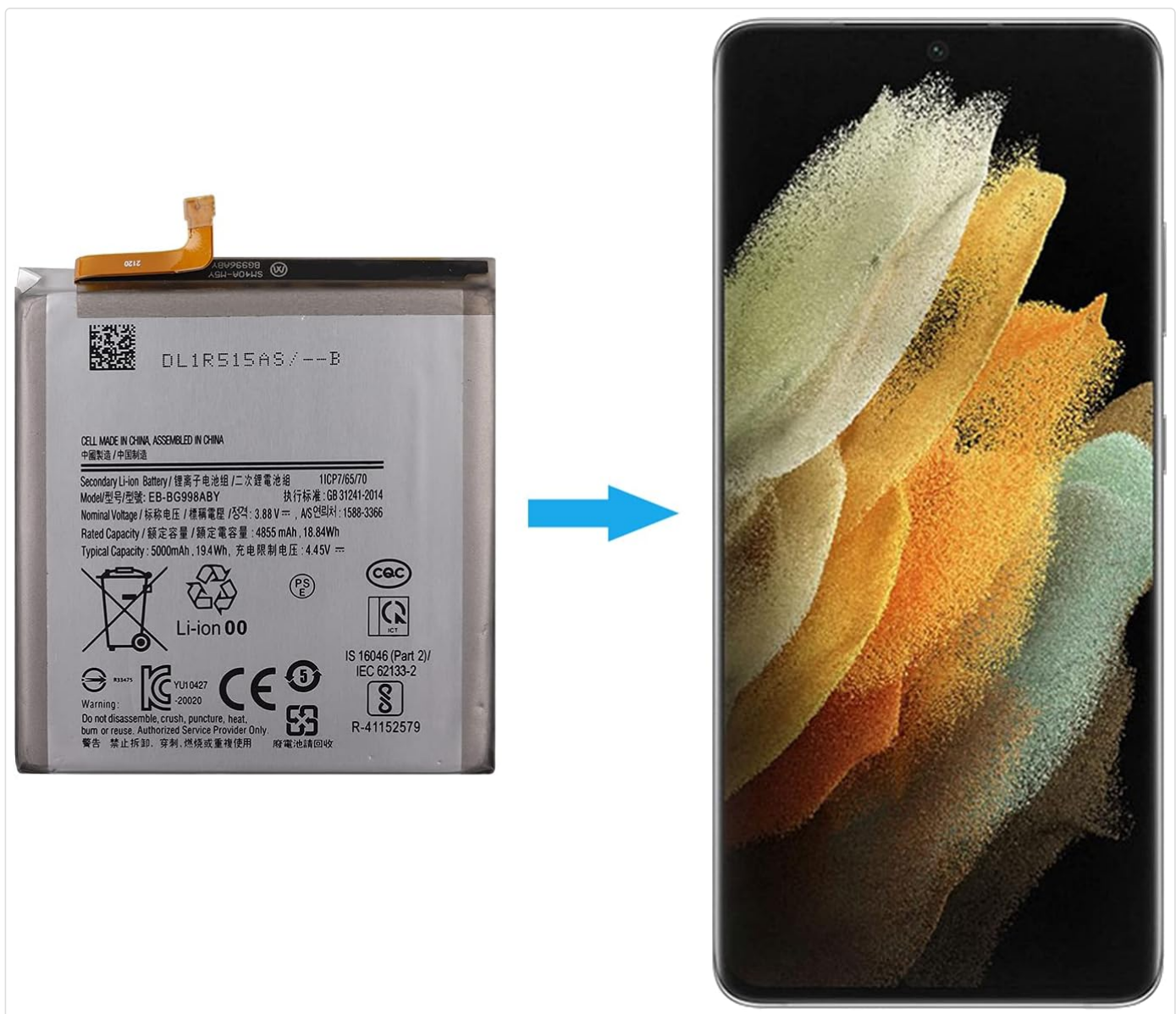


Image 2: Visual representation of the Duotipa EB-BG998ABY battery's compatibility with the Samsung Galaxy S21 Ultra 5G.

3. SAFETY INFORMATION

Important: Lithium-ion batteries can be hazardous if mishandled. Follow all safety precautions to prevent injury or damage.

- Do not disassemble, crush, puncture, heat, or burn the battery.
- Keep the battery away from water and extreme temperatures.
- If the battery appears damaged or swollen, discontinue use immediately.
- Dispose of old batteries responsibly according to local regulations.
- Always turn off your phone completely before beginning any repair.

4. INSTALLATION INSTRUCTIONS

Battery replacement requires technical skill and specialized tools. It is recommended that installation be performed by professionals. If you choose to install it yourself, proceed with caution.

4.1 Preparation

1. **Power Off:** Ensure your Samsung Galaxy S21 Ultra 5G is completely powered off before starting. Improper handling

with power on may damage the phone.

2. **Watch Instructional Videos:** It is highly recommended to watch several YouTube instructional videos specific to replacing the battery in the Samsung Galaxy S21 Ultra 5G (SM-G998) before you begin. Search for "Galaxy S21 Ultra battery replacement" for visual guidance.
3. **Gather Tools:** Ensure all necessary tools from the repair kit are available and understood.



Image 3: The repair tool kit provided with the Duotipa battery, essential for the installation process.

4.2 General Steps (Consult video for specifics)

1. **Remove Back Cover:** Carefully heat the edges of the phone's back cover to soften the adhesive, then use a suction cup and prying tools to gently separate it from the frame.
2. **Disconnect Battery:** Locate the battery connector on the motherboard and carefully disconnect it using a plastic prying tool.
3. **Remove Old Battery:** Gently pry out the old battery. Be extremely careful not to puncture or bend the old battery.
4. **Clean Contacts:** If the old battery's metal contacts show signs of oxidation, it is recommended to wipe them clean before installing the new battery.
5. **Install New Battery:** Place the new Duotipa EB-BG998ABY battery into the phone's battery compartment. Ensure it sits correctly.
6. **Connect New Battery:** Reconnect the new battery's flex cable to the motherboard connector.
7. **Reassemble Phone:** Reattach the back cover, ensuring proper alignment and sealing. Apply new adhesive if necessary.



Image 4: Detailed view of the Duotipa EB-BG998ABY battery's front, displaying its model number and technical specifications.

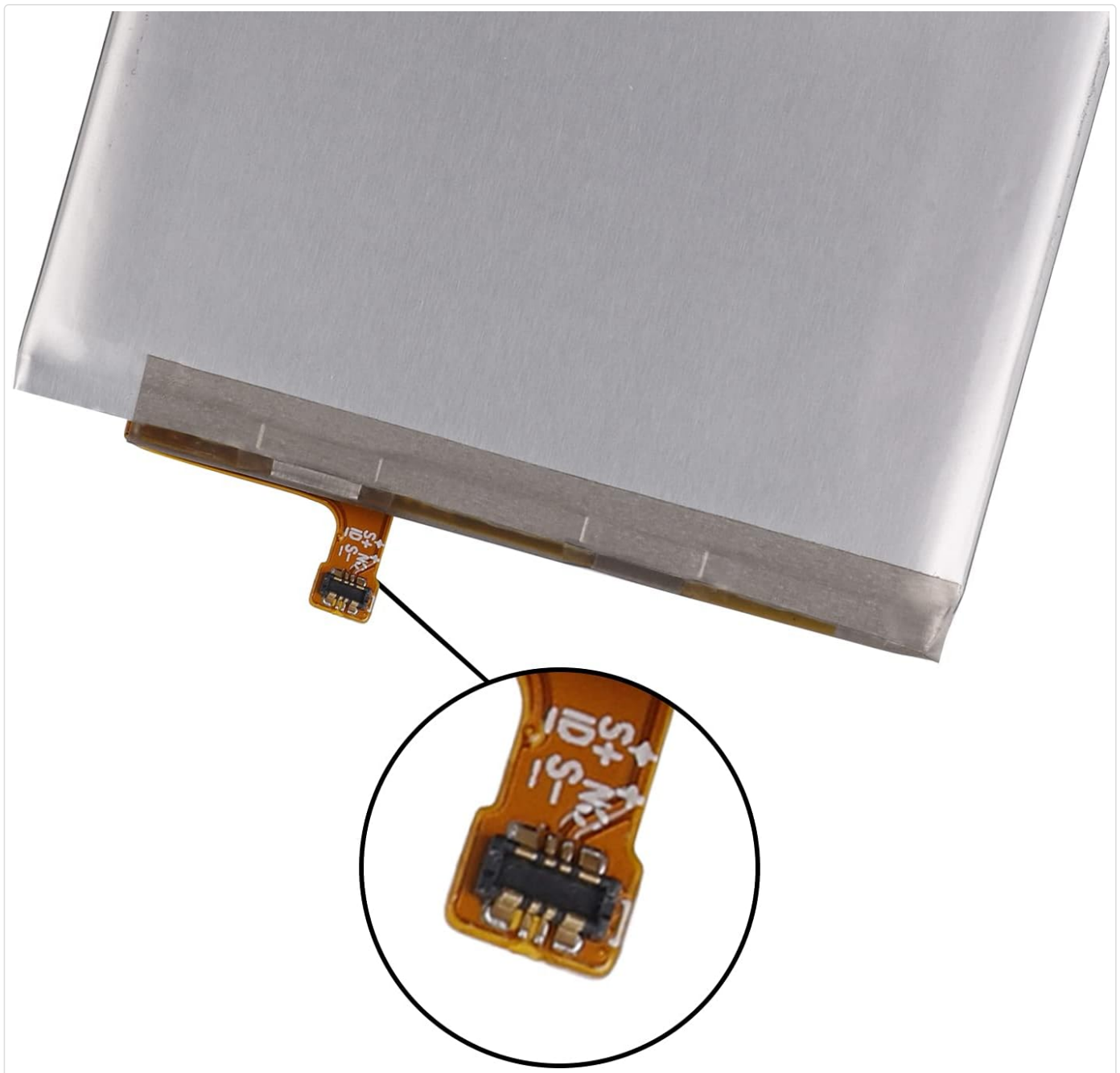


Image 5: Close-up of the battery connector, which needs to be carefully attached to the phone's motherboard.

5. FIRST USE AND CHARGING

After installation, follow these steps for optimal battery activation:

1. **Initial Discharge:** Use the phone until the battery's "virtual power" (factory charge) is depleted and the phone turns off automatically.
2. **First Charge:** Charge the phone for 6-8 hours without interruption. Avoid overcharging during this initial cycle.
3. **Cycle Activation:** Fully activate the battery by completing 3-4 full charge and discharge cycles. This helps achieve the best performance and service life.

6. BATTERY CARE AND MAINTENANCE

Proper care extends battery life and maintains performance:

- **Charging Practices:** Use the original charger or a reliable, certified charger. Inferior chargers or improper charging

times can negatively affect battery life.

- **Avoid Overcharging:** Do not leave the phone connected to the charger for extended periods after it reaches 100% charge.
- **Storage:** If storing the battery for a long time, charge it to approximately 50-60% before storage to prevent natural power loss and preserve battery health.
- **Temperature:** Extreme ambient temperatures significantly impact battery capacity and usage time.
 - **Low Temperatures:** Battery performance decreases in cold conditions, leading to shorter standby times.
 - **High Temperatures:** High temperatures can also affect standby time and accelerate battery degradation. Avoid exposing your phone to direct sunlight or hot environments.
- **Contact Cleaning:** If the phone experiences automatic shutdowns or call disconnections due to oxidized metal contacts, gently wipe the battery contacts clean before use.

7. TROUBLESHOOTING

If you encounter issues after battery replacement, consider the following:

- **Phone Not Turning On:**
 - Ensure the battery connector is securely attached to the motherboard.
 - Verify the battery has some charge; try connecting the charger.
- **Rapid Battery Drain:**
 - Ensure the battery has completed 3-4 full charge/discharge cycles for optimal calibration.
 - Check for background apps or settings that might be consuming excessive power.
- **Phone Shuts Down Unexpectedly:**
 - Check for loose battery connections.
 - Clean battery contacts if oxidation is suspected.
- **Tools Not Fitting:** The provided tool kit is general. If specific tools do not fit, professional assistance or alternative tools may be required.

For persistent issues, professional repair service is recommended.

8. SPECIFICATIONS

Feature	Specification
Battery Model	EB-BG998ABY
Battery Capacity	4855mAh (Rated), 5000mAh (Typical)
Nominal Voltage	3.85V
Watt-hour	13.34Wh (Rated), 19.4Wh (Typical)
Battery Cell Composition	Polymer Lithium Ion
Compatible Device	Samsung Galaxy S21 Ultra 5G (SM-G998)

Item Weight	Approximately 3.84 ounces
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Image 6: Rear view of the Duotipa EB-BG998ABY battery.

9. WARRANTY AND SUPPORT

For warranty information or customer support regarding your Duotipa EB-BG998ABY battery, please refer to the seller's specific terms and conditions or contact the seller directly. Keep your purchase receipt as proof of purchase.

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