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› Duotipa EB-BG991ABY Battery Instruction Manual for Samsung Galaxy S21 5G SM-G991U1

Duotipa EB-BG991ABY

Duotipa EB-BG991ABY Battery Instruction Manual

For Samsung Galaxy S21 5G (Model SM-G991U1)

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Duotipa EB-BG991ABY replacement battery, designed for the Samsung Galaxy S21 5G (SM-G991U1). Please read these instructions carefully before installation and use to ensure optimal performance and longevity of your battery.

2. PRODUCT OVERVIEW

The Duotipa EB-BG991ABY battery is a high-quality replacement power source for your compatible device. It comes with a repair tool kit to assist with the installation process.

Package Contents:

- 1 x Duotipa EB-BG991ABY Battery
- 1 x Repair Tool Kit (various tools for disassembly and reassembly)



Image 2.1: Duotipa EB-BG991ABY battery and the complete repair tool kit.



Image 2.2: Close-up view of the various repair tools provided for installation.

3. SETUP AND INSTALLATION

Replacing a smartphone battery requires technical skill and careful handling. Incorrect installation can damage your

device. Professional installation is highly recommended.

Important Considerations Before Installation:

- **Power Off Device:** Ensure your phone is completely powered off before beginning any disassembly.
- **Watch Instructional Videos:** If you choose to install the battery yourself, it is strongly advised to watch several instructional videos on platforms like YouTube that demonstrate the battery replacement process for the Samsung Galaxy S21 5G (SM-G991U1). These visual guides can provide crucial steps and tips.
- **Static Electricity:** Take precautions against static electricity, which can damage electronic components.
- **Handle with Care:** The battery and phone components are delicate. Avoid excessive force.

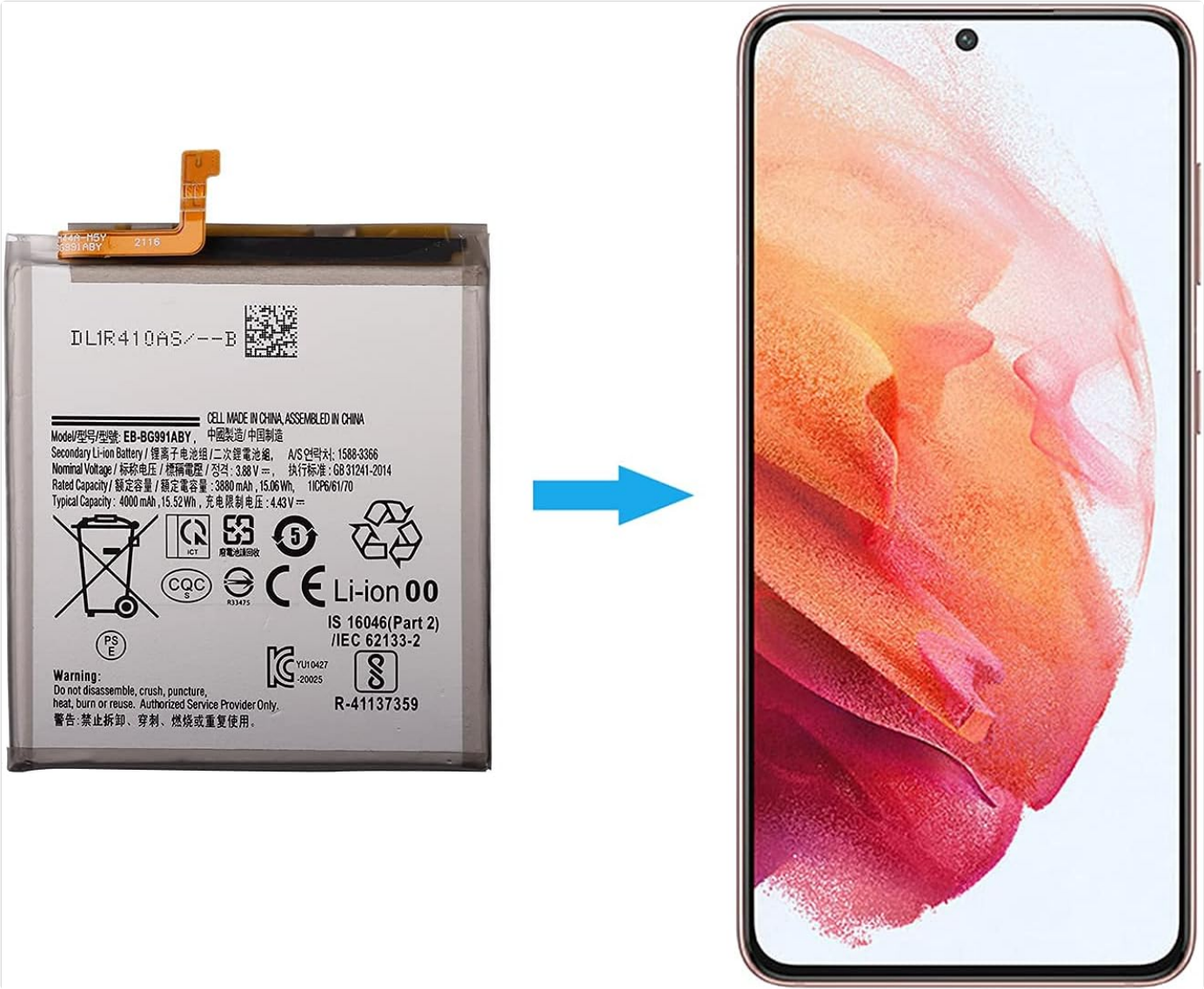


Image 3.1: The Duotipa EB-BG991ABY battery shown alongside a compatible Samsung Galaxy S21 5G phone, illustrating its intended use.

Installation Steps (General Guidance):

1. Power off your Samsung Galaxy S21 5G completely.
2. Carefully open the phone casing using the provided tools.
3. Disconnect the old battery connector from the motherboard.
4. Gently remove the old battery.
5. Connect the new Duotipa EB-BG991ABY battery to the motherboard.
6. Secure the new battery in place.
7. Reassemble the phone casing carefully.

8. Power on the device to test functionality.

Note: This is a simplified overview. Refer to detailed video guides for specific steps and precautions.

4. OPERATING GUIDELINES

Initial Battery Activation:

For optimal performance, follow these steps when using the new battery for the first time:

1. Use the phone until the battery is completely depleted and the phone turns off automatically.
2. Charge the phone for 6-8 hours without interruption. Avoid overcharging, as this can negatively impact battery cell health.
3. Repeat this full discharge and charge cycle 3-4 times to fully activate the battery and achieve its best performance capacity.

5. MAINTENANCE AND CARE

Proper maintenance can significantly extend the lifespan and performance of your battery.

- **Clean Contacts:** If the battery's metal contacts become oxidized due to long-term use or improper maintenance, it can lead to issues like automatic shutdowns or call disconnections. Regularly wipe the contacts clean with a dry, soft cloth.
- **Use Quality Chargers:** Always use the original charger or a reliable, certified charger. Inferior chargers or improper charging durations can negatively affect battery standby time and overall life.
- **Avoid Overcharging/Over-discharging:** While the battery has built-in protection, consistent overcharging or allowing the battery to fully deplete frequently can degrade its capacity over time.
- **Storage:** If storing the battery for an extended period, it is recommended to store it with a partial charge (around 50%) in a cool, dry place. Storing a battery fully charged or fully discharged can reduce its lifespan.
- **Temperature Effects:** Extreme temperatures significantly impact battery performance. Low temperatures reduce the battery's effective capacity, leading to shorter standby times. High temperatures can also accelerate battery degradation. Avoid using or storing your phone in very hot or very cold environments.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your battery.

Common Issues and Solutions:

- **Phone Shuts Down Unexpectedly or Disconnects Calls:** This could be due to oxidized battery contacts. Refer to the Maintenance section for cleaning instructions.
- **Short Battery Life After Installation:** Ensure you have completed the initial battery activation cycles as described in the Operating Guidelines. Also, verify you are using a reliable charger.
- **Battery Not Charging:** Check the charging cable and adapter for damage. Ensure the battery connector is securely seated within the phone. If issues persist, professional inspection may be required.

7. SPECIFICATIONS

Feature	Detail
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Battery Model	EB-BG991ABY
Compatible Device	Samsung Galaxy S21 5G (SM-G991U1)
Battery Capacity	3880mAh
Battery Type	Lithium Ion Polymer
Nominal Voltage	3.88V
Watt-hour	15.06Wh
Item Weight	3.2 ounces
Manufacturer	Shenzhen Shiqing Tonghui Dianzhi Shangwu Youxiang Gongsi
Date First Available	August 7, 2021

M44A-M5Y
BG991ABY

2116

DL1R410AS/-B



CELL MADE IN CHINA, ASSEMBLED IN CHINA

Model/型号/型號: **EB-BG991ABY**, 中國製造/中国制造

Secondary Li-ion Battery / 锂离子电池组 / 二次鋰電池組, A/S 연락처: 1588-3366

Nominal Voltage / 标称电压 / 標稱電壓 / 정격: 3.88 V $\equiv$, 执行标准: GB 31241-2014

Rated Capacity / 额定容量 / 額定電容量: 3880 mAh, 15.06 Wh, 1ICP6/61/70

Typical Capacity: 4000 mAh, 15.52 Wh, 充电限制电压: 4.43 V $\equiv$



Li-ion 00

**IS 16046(Part 2)
/IEC 62133-2**



Warning:

Do not disassemble, crush, puncture,
heat, burn or reuse. Authorized Service Provider Only.

警告: 禁止拆卸、穿刺、燃烧或重复使用。



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Image 7.1: Front side of the Duotipa EB-BG991ABY battery, displaying model and technical specifications.



Image 7.2: Rear side of the Duotipa EB-BG991ABY battery.



Image 7.3: Detailed view of the connector on the Duotipa EB-BG991ABY battery.

8. WARRANTY AND SUPPORT

While specific warranty details are not provided in the product information, Duotipa offers customer support for their products.

Customer Support:

If you encounter any issues with your Duotipa EB-BG991ABY battery or if it does not meet your expectations, please contact Duotipa customer service. They aim to respond to inquiries within 24 hours.

For assistance, refer to the contact information provided with your purchase or on the official Duotipa product page.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question