

Tanch U3285131P-2S

Tanch Laptop Battery U3285131P-2S User Manual

Model: U3285131P-2S / U3285131P-2S1P

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Tanch U3285131P-2S / U3285131P-2S1P laptop battery. This high-quality replacement battery is designed for compatibility with specific laptop models, offering reliable power with advanced safety features.

Please read this manual thoroughly before installation and use to ensure optimal performance and safety.

2. SAFETY INFORMATION AND PRECAUTIONS

WARNING: Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the product or property.

- **Do not attempt to open, service, or disassemble the battery.** This battery contains no user-serviceable parts.
- **Do not short circuit the battery.** Short-circuiting can lead to overheating, fire, or explosion.
- **Do not dispose of the battery in fire.** The battery may explode.
- **Charge the battery only with a specified and authorized charger.** Using an incompatible charger can damage the battery and pose safety risks.
- **Risk of explosion if the battery is replaced by an incorrect type.** Always ensure the replacement battery matches the original specifications.
- **Dispose of or recycle used batteries according to local regulations and instructions.** Do not discard with household waste.
- **Avoid extreme temperatures.** Do not charge the battery pack outside the temperature range of 32°F to 113°F (0°C–45°C).
- **Keep out of reach of children.**

The Tanch battery incorporates 12 layers of safety protection, including:

- Temperature protection

- Intelligent Protection
- Overvoltage protection
- Electromagnetic protection
- Protection against overloading
- Current protection
- Antistatic protection
- Charging protection
- Secondary protection
- Short circuit protection
- Protection of the power supply
- Overload protection



Image: Diagram showing the 12 layers of safety protection integrated into the Tanch battery design, including temperature, overvoltage, and short circuit protection.

3. COMPATIBILITY VERIFICATION

This battery is designed as a replacement for specific laptop models and battery part numbers. To ensure proper fit and function, it is crucial to verify compatibility before installation.

Compatible Battery Part Numbers:

- U3285131P-2S
- U3285131P-2S1P
- And other compatible part numbers.

Compatible Laptop Models:

- Jumper EZbook S5
- ILIFE Zed Air Plus
- And other compatible models.

Important: Before purchasing or installing, carefully compare your original battery's shape, interface (connector), and voltage with the specifications of this Tanch battery.



Image: A close-up view of the battery's connector, highlighted to emphasize the importance of matching it with the original laptop battery's connector.



Image: The physical dimensions of the battery are displayed, indicating a length of 27.7 cm, a width of 8.9 cm, and a weight of 176 grams.

Batteries with voltages in the ranges of 7.2V-7.4V, 10.8V-11.4V, and 14.8V-15.4V are generally compatible with each other. However, it is essential to carefully check the shape, connector, and exact voltage of your original battery to prevent purchasing an incompatible product.

4. SETUP AND INSTALLATION

Replacing a laptop battery typically involves opening the laptop casing. If you are unsure about the process, it is recommended to seek professional assistance or consult your laptop's specific service manual.

General Installation Steps:

- 1. Power Off and Disconnect:** Completely shut down your laptop and disconnect it from the power adapter.
- 2. Remove External Battery (if applicable):** If your laptop has an external, removable battery, remove it first.
- 3. Access Internal Battery:** Carefully open the laptop's back panel or keyboard area to access the internal

battery compartment. Refer to your laptop's service manual for precise instructions.

4. **Disconnect Old Battery:** Gently disconnect the old battery's cable from the motherboard. Be careful not to pull on the wires.
5. **Remove Old Battery:** Unscrew any retaining screws holding the old battery in place and carefully lift it out.
6. **Install New Battery:** Place the new Tanch battery into the compartment, ensuring it aligns correctly. Secure it with the retaining screws.
7. **Connect New Battery:** Connect the new battery's cable to the motherboard connector, ensuring a firm and secure connection.
8. **Reassemble Laptop:** Carefully reattach the laptop's back panel or keyboard.
9. **Initial Charge:** Connect the laptop to its power adapter and allow the new battery to charge fully before its first use.



Image: The Tanch laptop battery shown alongside its retail packaging, indicating the product as received.

5. OPERATING INSTRUCTIONS

First Use and Calibration:

For optimal performance, it is recommended to calibrate your new battery after installation:

1. Fully charge the battery to 100%.
2. Once fully charged, disconnect the power adapter and use the laptop until the battery is completely drained and the laptop shuts down.
3. Reconnect the power adapter and charge the battery to 100% without interruption.
4. Repeat this cycle 2-3 times to allow the battery management system to accurately gauge the battery's capacity.

General Usage Tips:

- **Regular Charging:** Avoid frequently discharging the battery completely. It is generally better for Lithium-Ion batteries to be charged more often, keeping them between 20% and 80% charge.
- **Temperature Control:** Operate your laptop in a well-ventilated area to prevent overheating, which can degrade battery life.
- **Authorized Charger:** Always use the authorized charger provided with your laptop or a compatible replacement.
- **Storage:** If storing the battery for an extended period, ensure it is charged to approximately 50-60% and stored in a cool, dry place.



Image: The Tanch battery label, highlighting its commitment to accurate capacity labeling.

6. MAINTENANCE

- **Cleaning:** Keep the battery and its contacts clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- **Storage:** If the battery will not be used for an extended period (more than a month), remove it from the laptop, charge it to about 50-60%, and store it in a cool, dry place away from direct sunlight and extreme temperatures.
- **Avoid Physical Damage:** Protect the battery from drops, impacts, and punctures.

7. TROUBLESHOOTING

If you encounter issues with your Tanch laptop battery, consider the following troubleshooting steps:

- **Battery Not Recognized:**
 - Ensure the battery connector is securely seated.
 - Restart your laptop.
 - Update your laptop's BIOS/UEFI and battery drivers.
 - Try reinstalling the battery.
- **Battery Not Charging:**
 - Verify that the power adapter is working correctly and securely connected.
 - Check the charging port for any debris or damage.
 - Ensure the charging temperature is within the recommended range (0°C–45°C).
 - Perform a battery calibration cycle (as described in Operating Instructions).
- **Short Battery Runtime:**
 - Ensure the battery has been properly calibrated.
 - Check your laptop's power settings and adjust for optimal battery life.

- Close unnecessary background applications.
- Monitor CPU usage and temperature; high usage or heat can drain the battery faster.

- **Battery Overheating:**

- Immediately disconnect the charger and power off the laptop.
- Ensure proper ventilation around the laptop.
- If overheating persists, discontinue use and contact support.

If these steps do not resolve the issue, please contact Tanch customer support for further assistance.

8. SPECIFICATIONS

Brand	Tanch
Model Number	U3285131P-2S
Compatible Part Numbers	U3285131P-2S, U3285131P-2S1P
Voltage	7.6V
Capacity	5000mAh
Watt-Hours	38Wh
Battery Cell Composition	Lithium Ion
Cell Type	2ICP4/85/131
Executive Standard	GB/T 31241-2014
Product Dimensions	10.87 x 3.5 x 0.2 inches (27.7 x 8.9 x 0.5 cm)
Item Weight	6.1 ounces (176g)
Operating Temperature Range	32°F to 113°F (0°C–45°C)



Image: The underside of the Tanch battery, displaying its full technical label including model number, voltage, capacity, and various safety certifications.



Image: A detailed view of the safety warnings and regulatory compliance marks printed on the battery label.

9. WARRANTY AND SUPPORT

Tanch stands behind the quality of its products.

- **Warranty:** This Tanch laptop battery comes with a **2-year warranty**.
- **Returns and Exchange:** We offer a **60-day return and exchange policy**.
- **Quality Assurance:** Every battery undergoes rigorous quality inspections and is manufactured with A-grade cells, ensuring safety, stability, and durability.

For technical support, warranty claims, or any inquiries, please visit the official Tanch website:

www.tanchs.com



Image: An overview of Tanch's commitment to quality, including a 2-year warranty, 60-day return policy, and use of A-grade cells.

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