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DGFTB 5376275P

DGFTB 5376275P Laptop Battery Instruction Manual

Model: 5376275P | Brand: DGFTB

1. Introduction

This manual provides essential instructions for the safe and effective use of your DGFTB 5376275P laptop battery. Please read this guide thoroughly before installation and operation to ensure optimal performance and longevity of your battery.

2. Safety Information

CAUTION:

- Do not disassemble or repair this battery.
- Do not squeeze, thrust, or short-circuit the battery.
- Do not put the battery into water or fire.
- Do not expose the battery to an ambient temperature greater than 60 degrees Celsius (140 degrees Fahrenheit).
- Use only the specifically configured charger of PL2780159*2P for charging.
- Please refer to the user manual or follow local ordinances and/or regulations for disposal.

Always handle the battery with care. If the battery shows signs of damage, swelling, or leakage, discontinue use immediately and dispose of it properly.

3. Product Overview

Battery Specifications

- **Model Name:** 5376275P
- **Voltage:** 11.4V
- **Capacity:** 51.3Wh / 4500mAh
- **Max Voltage:** 13.05V
- **Carried Standard:** GB/T 18287-2013

Compatible Models

This battery is compatible with various Gateway laptop models, including but not limited to:

- Gateway GWTN156-1RG, GWTN156-5BL, GWTN156-9SL
- Gateway GWTN141-2BL, GWTN141-4, GWTN141-4BK, GWTN141-4BL
- Gateway GWTN141-10BK, GWTN141-10BL, GWTN141-10GR
- Compatible Part Numbers: 5376275P, UTL-509068-3S, NV-509067-3S

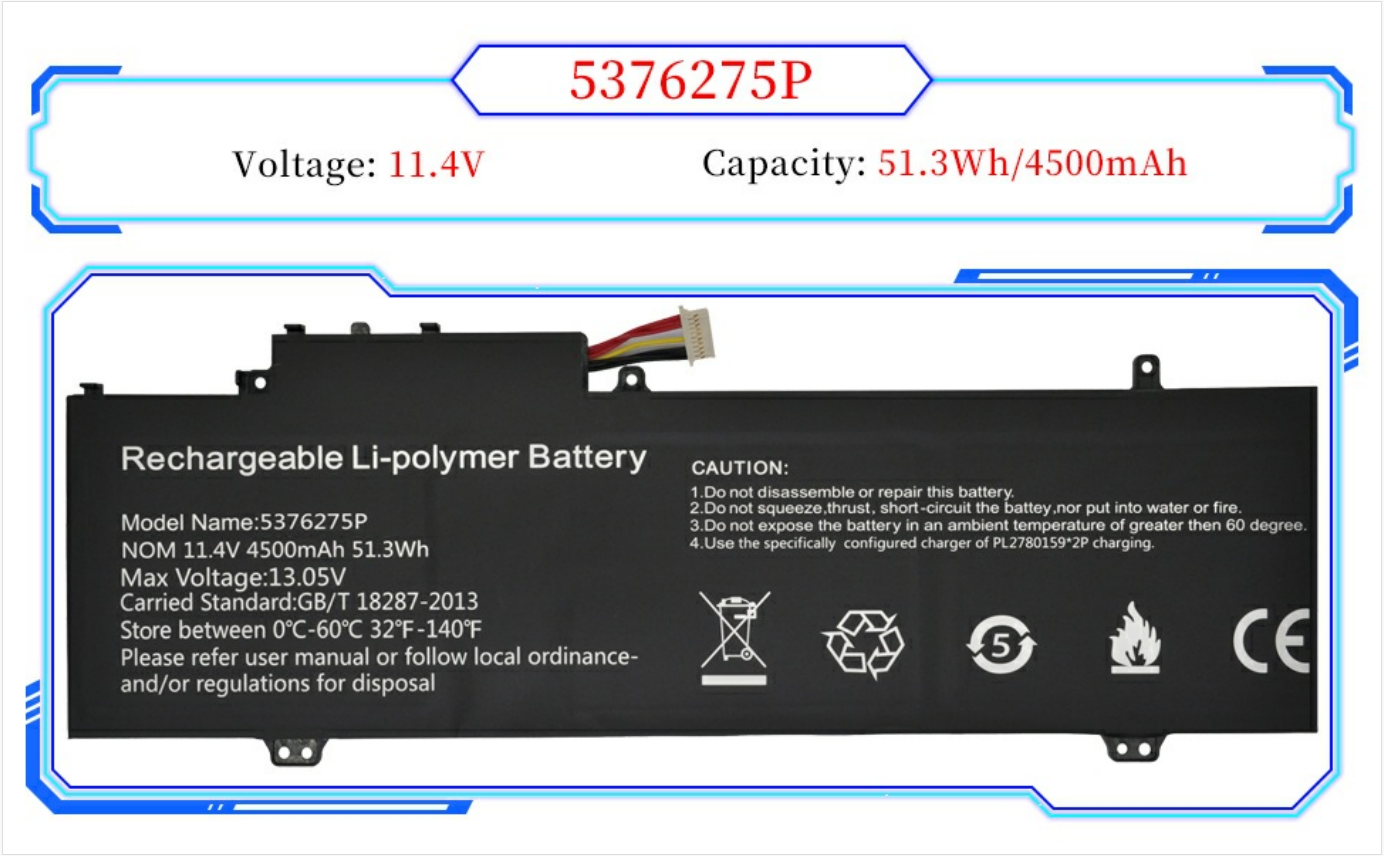


Image: Overview of the DGFTB 5376275P laptop battery, highlighting its model, capacity, connector, and fixed mounting points.



Image: Close-up view of the battery's gold-plated connector, designed for durable and stable output.



Image: Close-up view of the battery's fixed mounting position, featuring precise hole placement and composite material for high temperature and corrosion resistance.



Image: Diagram illustrating the internal components of the battery, including the main chip, protection chip, resistance, temperature sensing, and conductor copper sheet. Key features include fast charging, stable output, longer discharge time, low power consumption, and over 500 discharge cycles.

4. Setup and Installation

4.1 Identifying Your Laptop Model

Before installing the new battery, confirm your laptop's model to ensure compatibility. Follow these steps for Windows laptops:

1. Press the **Windows key + R** simultaneously to open the Run dialog box.
2. Type msinfo32 into the Run dialog box and click **OK**.
3. In the System Information window that appears, locate and identify your **System Model**.



Image: Visual guide on how to find your laptop's system model using the 'msinfo32' command in Windows.

4.2 Battery Installation

Note: Laptop battery replacement often requires opening the laptop casing. If you are not comfortable performing this procedure, seek professional assistance.

1. **Power Off:** Ensure your laptop is completely powered off and disconnected from the AC adapter.
2. **Remove Old Battery:** Carefully open your laptop's back cover and disconnect the old battery. Refer to your laptop's specific service manual for detailed steps.
3. **Install New Battery:** Align the DGFTB 5376275P battery with the battery compartment and connect the battery cable securely to the laptop's motherboard. Ensure the interface is fully connected.
4. **Secure Battery:** Fasten any screws or clips that hold the battery in place.
5. **Close Laptop:** Reattach the laptop's back cover.



Image: Illustration of a laptop battery being installed into a laptop chassis, showing the placement and connection points.

4.3 Initial Use and Calibration

For the initial installation and to optimize battery performance:

- After installation, discharge the battery to approximately 5% (do not let it reach 0%).
- Then, charge the battery fully to 95%.
- Repeat this discharge-charge cycle 3-4 times to calibrate the battery.

5. Operating Instructions

To maximize the lifespan and performance of your DGFTB laptop battery:

- Avoid frequently discharging the battery completely to 0%.
- Do not leave the laptop plugged in and charging constantly for extended periods once fully charged.
- If possible, use the laptop on battery power periodically to keep the battery cells active.

6. Maintenance

Proper maintenance helps extend battery life:

- **Storage:** If storing the battery for an extended period, ensure it is charged to about 50-70% and stored in a cool, dry place between 0°C and 60°C (32°F and 140°F).
- **Cleaning:** Keep the battery contacts clean and free of dust. Use a dry, soft cloth for cleaning.
- **Temperature:** Avoid exposing the battery to extreme temperatures, both hot and cold, as this can degrade performance and lifespan.

7. Troubleshooting

If you encounter issues with your DGFTB battery, consider the following:

- **Battery Not Charging:** Ensure the AC adapter is properly connected and functioning. Verify the battery is correctly seated in its compartment and its connector is secure.
- **Short Battery Life:** Perform the initial calibration steps (discharge to 5%, charge to 95%, repeat 3-4 times). Check for background applications consuming excessive power.
- **Laptop Not Recognizing Battery:** Reinstall the battery, ensuring all connections are firm. Restart the laptop. Update laptop BIOS or battery drivers if available.
- **Battery Swelling/Overheating:** Immediately discontinue use and remove the battery from the laptop. Contact customer support for assistance. Do not attempt to puncture or repair.

8. Specifications

Specification	Value
Brand	DGFTB
Model Number	5376275P
Battery Cell Composition	Lithium Ion
Voltage	11.4V
Capacity	51.3Wh / 4500mAh
Number of Batteries	1 (included)
Reusability	Rechargeable
Manufacturer	Foshan Jiayouyi Technology Co., Ltd.

9. Warranty and Support

9.1 Warranty Information

This DGFTB 5376275P laptop battery comes with a**12-month warranty** from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.



Image: Diagram illustrating DGFTB's quality assurance, including over-heat protection, over-charge protection, premium microchip, Class A protection, and a 12-month warranty.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact DGFTB customer support. We offer 24/7 customer service to assist you.
You can typically find contact information on the product packaging or through the seller's page where you purchased the battery.

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