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DGFTB 33YDH

DGFTB 33YDH Laptop Battery User Manual

Model: 33YDH

1. Introduction

This manual provides essential information for the safe and effective use of your new DGFTB 33YDH laptop battery. Please read these instructions carefully before installation and use to ensure optimal performance and longevity of the battery.
The DGFTB 33YDH is a Lithium-Ion (Li-ion) battery with a voltage of 15.2V and a capacity of 56WH/3500mAh, consisting of 4 cells. It is designed as a replacement battery for various Dell laptop models.

2. Compatibility

This battery is compatible with the following part numbers and laptop models:

Compatible Part Numbers:

- 33YDH
- PVHT1
- 81PF3
- 081PF3
- P30E
- P30E001
- DNCWSCB6106B

Compatible Laptop Models:

- **Dell Inspiron Series:** 17 7000, 7577, 7773, 7778, 7786, 7779 (including 2-in-1 models)
- **Dell G Series:** G3 15 3579, G3 17 3779, G5 15 5587, G7 15 7588
- **Dell Latitude Series:** 3380, 3480, 3488, 3490, 3580, 3588, 3590, 3400, 3500
- **Dell Vostro Series:** 7570, 7580

Note: This battery is not compatible with Dell Chromebook 13 3380.

3. Specifications

Attribute	Value
Battery Type	Li-ion
Voltage	15.2V
Capacity	56WH / 3500mAh
Number of Cells	4 Cells
Model Number	Y9M6F
Length	9.49 inches
Width	4.09 inches
Thickness	0.2 inches
Manufacturer	Foshan Eurasia Energy Technology Co., Ltd.





Image: DGFTB 33YDH Laptop Battery showing voltage and capacity details.

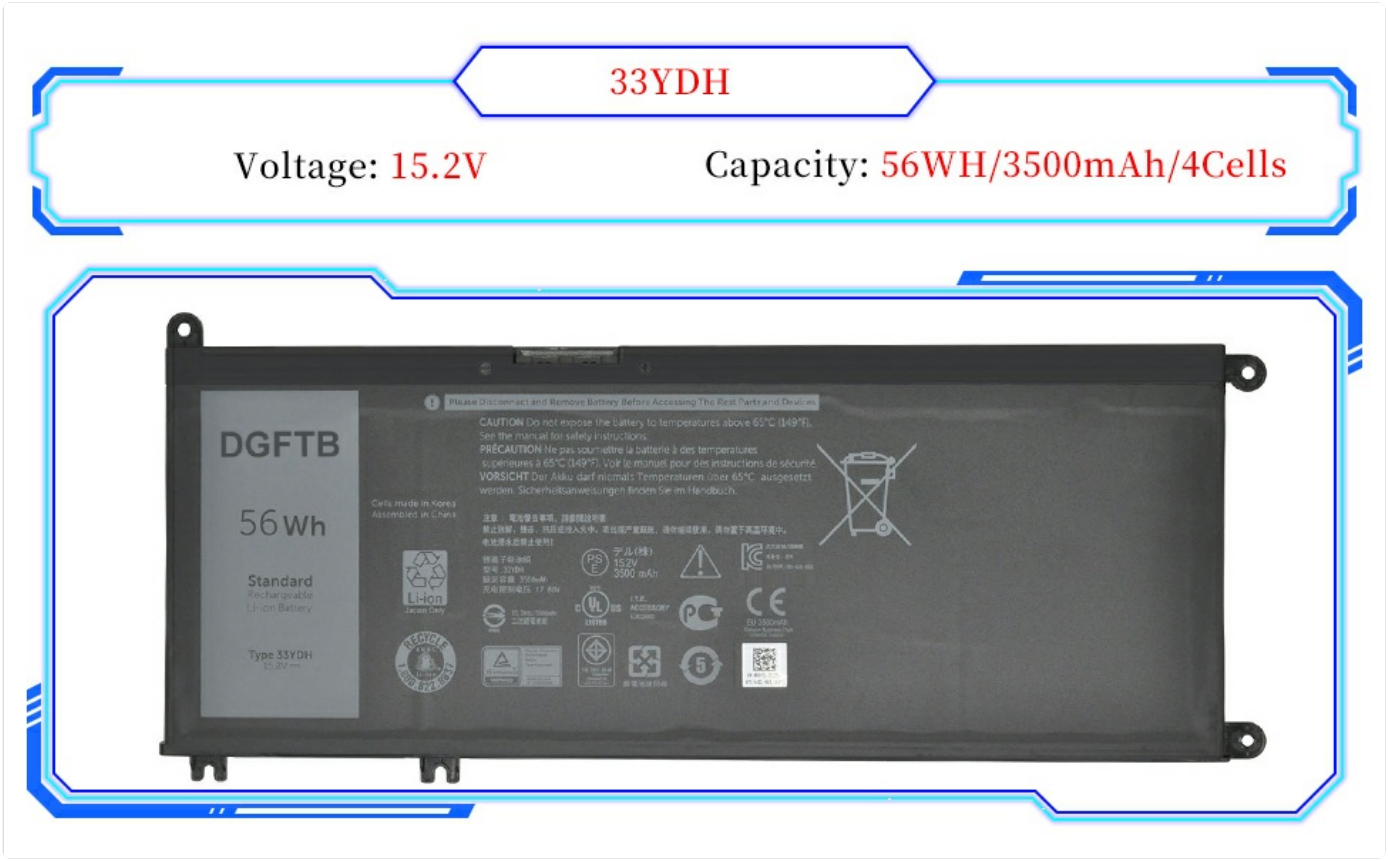


Image: Detailed view of the battery, its gold-plated connector for stable output, and precise fixed positions for installation.

4. Safety Information

Please observe the following safety precautions:

- Do not disassemble, crush, puncture, or short-circuit the battery.
- Do not expose the battery to temperatures above 60°C (140°F).
- Keep the battery away from fire and water.
- Dispose of used batteries according to local regulations. Do not dispose of in household waste.
- Use only with compatible Dell laptop models as listed in this manual.
- If the battery appears damaged or swollen, discontinue use immediately and contact support.

5. Installation Instructions

Replacing a laptop battery requires careful handling. If you are unsure, consult a professional technician.

1. **Power Off and Disconnect:** Completely shut down your laptop and disconnect it from the power adapter.
2. **Remove External Devices:** Disconnect all external peripherals (USB devices, external monitors, etc.).
3. **Access Battery Compartment:** Depending on your laptop model, you may need to remove screws from the bottom cover to access the internal battery. Refer to your laptop's specific service manual for detailed instructions on opening the chassis.
4. **Locate and Disconnect Old Battery:** Carefully locate the existing battery. Disconnect the battery cable from the motherboard. This usually involves gently pulling a connector straight up or sliding it out.
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 DGFTB 33YDH battery into the compartment, ensuring it aligns with the screw holes and connector.
7. **Secure New Battery:** Re-insert and tighten any retaining screws.

8. **Connect New Battery:** Carefully connect the new battery's cable to the motherboard connector, ensuring a firm and secure connection.
9. **Reassemble Laptop:** Replace the bottom cover and secure it with screws.
10. **Initial Charge:** Connect your laptop to the power adapter and allow the battery to charge fully before initial use.

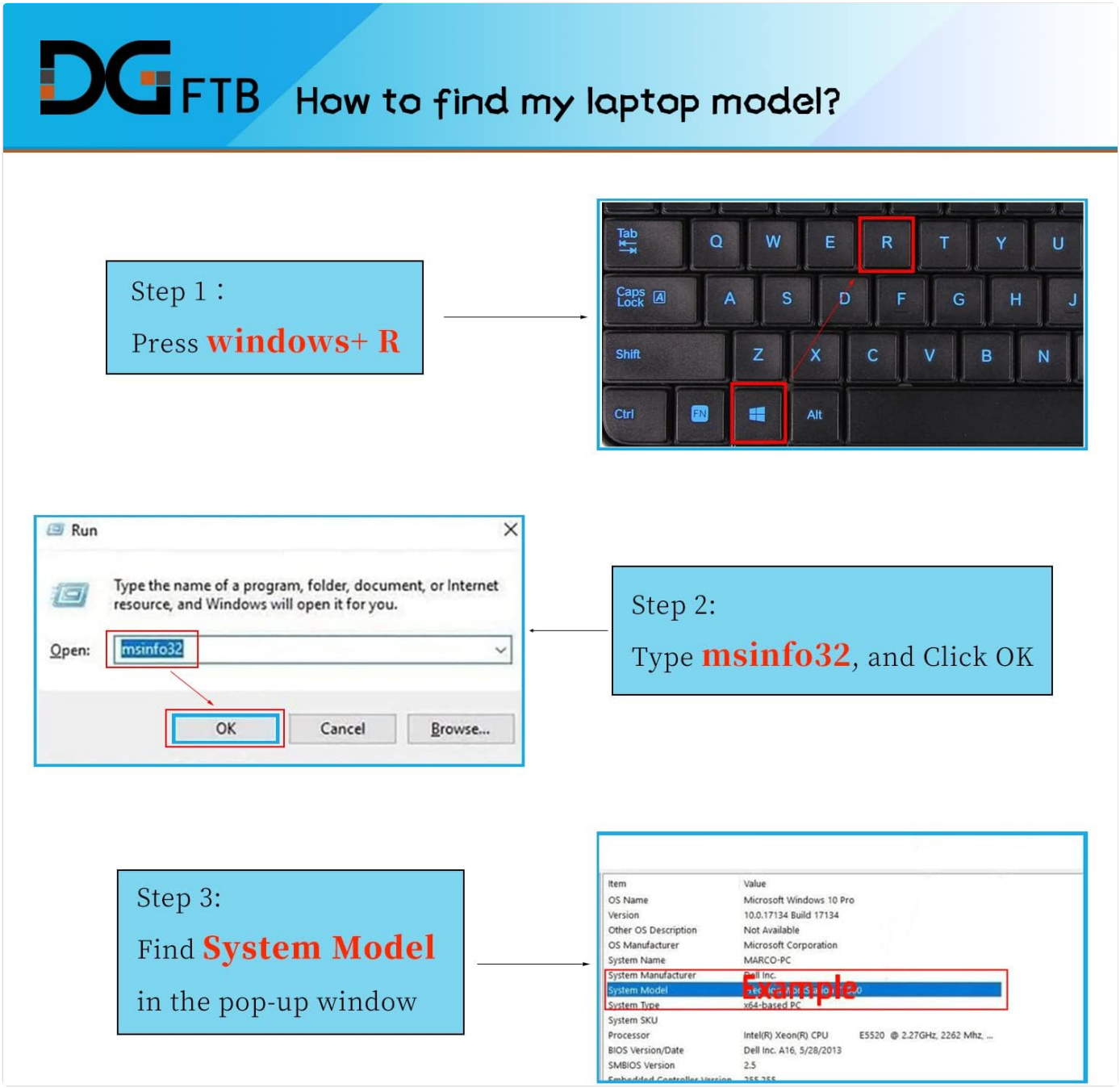


Image: Illustration of a laptop battery being installed with necessary tools.



Image: Guide on how to identify your laptop model using the 'msinfo32' command in Windows.

6. Operating Instructions

Initial Use and Calibration:

For the initial installation and to optimize battery performance, follow these steps:

1. Ensure the battery is fully connected after installation.
2. Discharge the battery to approximately 5% (do not let it drain to 0%).
3. Charge the battery completely to 95-100%.
4. Repeat this discharge-charge cycle 3-4 times. This helps calibrate the battery's fuel gauge for accurate readings.

General Usage:

- Avoid frequently discharging the battery completely to 0%.
- Store the battery in a cool, dry place if not used for extended periods.
- For optimal battery health, avoid prolonged exposure to high temperatures.

7. Maintenance

Proper maintenance can extend the life of your battery:

- **Regular Cleaning:** Keep the battery contacts clean and free of dust or debris.
- **Temperature Control:** Operate your laptop in a well-ventilated area to prevent overheating, which can degrade battery life.
- **Storage:** If storing the battery for an extended period (more than a month), charge it to about 50-60% and store it in a cool, dry place. Recharge it to 50-60% every few months.
- **Software Updates:** Keep your laptop's operating system and drivers updated, as power management features can impact battery performance.



Image: Diagram illustrating the internal components of the battery, highlighting features like main chip, protection chip, and temperature sensing for enhanced safety and performance.

8. Troubleshooting

If you encounter issues with your DGFTB 33YDH battery, consider the following:

- **Battery Not Detected:**
  - Ensure the battery is correctly seated and its connector is firmly attached to the motherboard.
  - Try reinstalling the battery.
  - Update your laptop's BIOS and battery drivers.
- **Battery Not Charging:**
  - Verify that the AC adapter is working correctly and is properly connected to the laptop and a power outlet.
  - Check the charging port for any debris or damage.
  - Ensure the battery is fully connected.
  - Perform a battery calibration cycle as described in the "Operating Instructions" section.
- **Short Battery Life:**
  - Adjust your laptop's power settings to a more power-efficient mode.
  - Close unnecessary applications running in the background.
  - Reduce screen brightness.
  - Check for any background processes consuming excessive power.
  - Ensure the battery has been properly calibrated.
- **Battery Swelling:**
  - **Immediately discontinue use.** Swelling indicates a potential safety hazard.
  - Do not attempt to puncture or repair the battery.
  - Contact customer support for assistance.

9. Warranty and Support

Your DGFTB 33YDH laptop battery comes with a **2-year warranty** from the date of purchase.
This warranty covers manufacturing defects and performance issues under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation.

Customer Support:

For any questions, technical assistance, or warranty claims, please contact DGFTB customer service. We offer 24/7 customer support.
Please have your purchase details and battery model number (33YDH) ready when contacting support.



Image: Diagram highlighting the battery's quality assurance features including over-heat and over-charge protection, premium microchip, Class A protection, and 24/7 customer service.

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