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## Fulbat FTX16

# Fulbat FTX16 12V 14.7Ah SLA Battery Instruction Manual

## 1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Fulbat FTX16 12V 14.7Ah Sealed Lead Acid (SLA) battery. Designed for lawn and garden equipment, this battery offers reliable power and a maintenance-free experience. Please read this manual thoroughly before installation and operation to ensure optimal performance and safety.

## 2. SAFETY INFORMATION

Always prioritize safety when handling batteries. Failure to follow these instructions can result in personal injury or damage to the battery or equipment.

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when working with batteries.
- **No Sparks or Flames:** Keep sparks, open flames, and smoking materials away from the battery. Batteries can produce explosive gases.
- **Ventilation:** Ensure adequate ventilation when charging or working with batteries in enclosed spaces.
- **Insulated Tools:** Use insulated tools to prevent accidental short circuits.
- **Keep Out of Reach of Children:** Batteries contain corrosive materials and should be stored safely away from children.
- **Proper Disposal:** Dispose of old batteries responsibly at an authorized recycling center. Do not discard with household waste.
- **First Aid:** In case of contact with battery acid, flush immediately with water and seek medical attention.

## 3. PRODUCT FEATURES

The Fulbat FTX16 battery is engineered for high performance and convenience:

- **Sealed Lead Acid (SLA) Technology:** Provides maximum performance and safety.

- **Ready to Use:** No initial acid filling or preparation required.
- **100% Maintenance-Free:** Designed for hassle-free operation without the need for regular fluid checks.
- **Non-Spillable (VRLA):** The Valve Regulated Lead Acid design ensures the battery is completely sealed and non-spillable, allowing for flexible mounting.
- **Optimal for Lawn & Garden:** Ideal for various ride-on lawn mowers and garden tractors.



Figure 1: Front view of the Fulbat FTX16 12V 14.7Ah SLA Battery, highlighting its non-spillable design and specifications.

## 4. SETUP AND INSTALLATION

Follow these steps for safe and correct installation of your Fulbat FTX16 battery:

1. **Preparation:** Ensure the ignition of your equipment is off and remove the key. Wear safety glasses and gloves.
2. **Disconnect Old Battery:** First, disconnect the negative (-) terminal cable, then the positive (+) terminal cable from the old battery. Carefully remove the old battery.

3. **Inspect Battery Tray:** Clean the battery tray and terminal cables, removing any corrosion or debris.
4. **Position New Battery:** Place the Fulbat FTX16 battery securely in the battery tray. Ensure it is stable and does not move during operation. The non-spillable design allows for mounting angles up to +/- 90 degrees.
5. **Connect New Battery:** First, connect the positive (+) terminal cable to the positive (+) terminal of the new battery. Then, connect the negative (-) terminal cable to the negative (-) terminal. Ensure all connections are tight and secure.
6. **Terminal Protection:** Apply a thin layer of dielectric grease or anti-corrosion spray to the terminals to prevent corrosion.



Figure 2: The Fulbat FTX16 battery shown alongside its retail packaging, indicating its 'Lawn & Garden' application.



Figure 3: Diagram illustrating the permissible mounting angles for the Fulbat FTX16 battery, up to +/- 90 degrees, due to its non-spillable GEL technology.

## 5. OPERATING INSTRUCTIONS

Once installed, the Fulbat FTX16 battery is ready for use. It is designed to provide reliable starting power for your equipment.

- **Initial Use:** As a 'Ready to Use' battery, it typically does not require an initial charge before first use. However, if the equipment struggles to start, a full charge with a compatible charger is recommended.
- **Regular Operation:** The battery will recharge during normal operation of your equipment.
- **Storage:** If the equipment will be stored for an extended period, especially in cold conditions, it is advisable to disconnect the battery and store it in a cool, dry place, ensuring it is fully charged. Periodically check the voltage and recharge if it drops below 12.5V.

## 6. MAINTENANCE

The Fulbat FTX16 is a 100% maintenance-free battery, meaning it does not require water refilling or specific

fluid level checks. However, some general care practices will help prolong its lifespan:

- **Keep Clean:** Regularly inspect the battery and terminals for dirt, dust, or corrosion. Clean with a damp cloth and a mild detergent if necessary. Ensure terminals are dry before reconnecting.
- **Check Connections:** Periodically ensure that the terminal connections are tight and secure. Loose connections can lead to poor performance and potential damage.
- **Charging:** If the battery is discharged, use a charger specifically designed for SLA/AGM batteries. Avoid overcharging, as this can damage the battery. Refer to the charger's instructions for proper use. For standard charging, a rate of 1.4A for 5-10 hours is suggested, or a quick charge at 7.0A for 1 hour.
- **Avoid Deep Discharge:** Do not allow the battery to fully discharge repeatedly, as this can shorten its lifespan.

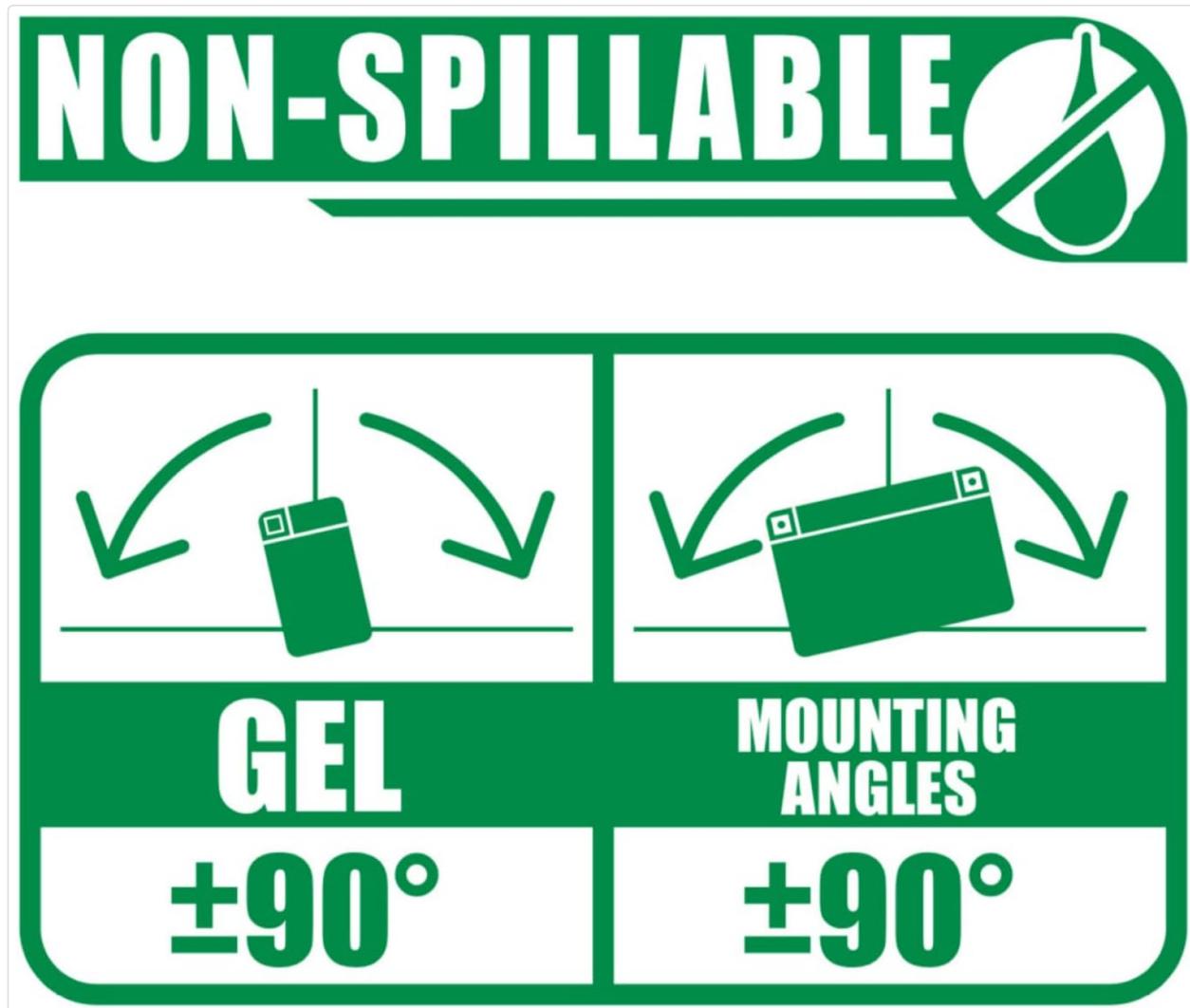


Figure 4: The Fulbat FTX16 battery displayed on a dark surface, showcasing its compact design and robust casing.

## 7. TROUBLESHOOTING

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

- **Equipment Not Starting:**
  - Check battery terminal connections for tightness and corrosion.
  - Verify the battery voltage with a multimeter. If below 12V, the battery may need charging.
  - Ensure the equipment's starter motor and charging system are functioning correctly.
- **Battery Not Holding Charge:**

- Confirm the charging system of your equipment is working.
- Ensure no parasitic drains are present when the equipment is off.
- The battery may have reached the end of its service life and require replacement.

- **Swollen Battery Casing:** This indicates severe overcharging or internal damage. Discontinue use immediately and replace the battery.

If problems persist after performing these checks, consult a qualified technician or contact Fulbat customer support.

## 8. SPECIFICATIONS

Feature	Specification
Brand	Fulbat
Model	FTX16
Voltage	12 Volts
Capacity (20h)	14.7 Ah
Cold Cranking Amps (EN)	230A
Dimensions (L x W x H)	150 x 87 x 161 mm
Weight	5.8 Kilograms
Battery Type	SLA (Sealed Lead Acid) / VRLA
Terminal Type	SAE
Maintenance	Maintenance-Free
Spill-Proof	Yes, Non-Spillable
Mounting Angles	Up to +/- 90 degrees

## 9. WARRANTY AND SUPPORT

For information regarding warranty coverage, claims, or technical support, please refer to the documentation provided at the point of purchase or contact your retailer. You may also visit the official Fulbat website for general product information and contact details.