

[Manuals.plus](#) /

› [Voltex](#) /

› Voltex High Performance Motorcycle Battery User Manual

Voltex YTX14L-BS

Voltex YTX14L-BS High Performance Motorcycle Battery User Manual

Model: YTX14L-BS

1. INTRODUCTION AND PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your Voltex YTX14L-BS High Performance Motorcycle Battery. This sealed AGM (Absorbent Glass Mat) battery is designed for a variety of applications, including motorcycles, Personal Watercraft (PWC), snowmobiles, and All-Terrain Vehicles (ATV).

The Voltex YTX14L-BS battery is a maintenance-free unit, offering reliable power with a 12-volt output, 14 Ampere-hour (Ah) capacity, and 200 Cold Cranking Amps (CCA). It is manufactured in Thailand and meets ISO 9001 and ISO 14001 quality standards.



Figure 1: Voltex YTX14L-BS High Performance Motorcycle Battery with its packaging.

2. SAFETY INFORMATION

WARNING: Batteries contain sulfuric acid and produce explosive gases. Improper handling can lead to severe injury or death. Always follow these safety guidelines:

- **Eye Protection:** Always wear appropriate eye protection (safety glasses or goggles) when working with batteries. Explosive gases can cause blindness or injury.
- **No Sparks, Flames, or Smoking:** Keep all sparks, open flames, and smoking materials away from the battery. The gases produced are highly flammable.
- **Sulfuric Acid:** Battery acid (sulfuric acid) is corrosive and can cause severe burns and blindness. Avoid contact with skin, eyes, and clothing.
- **First Aid for Acid Contact:**
 - **Eyes:** Flush eyes immediately with large amounts of clean water for at least 15 minutes. Seek immediate medical help.
 - **Skin:** Rinse affected area thoroughly with water. Remove contaminated clothing.
- **Ventilation:** Ensure adequate ventilation when charging or working with batteries to disperse explosive gases.
- **Short Circuits:** Do not short-circuit battery terminals. This can cause severe arcing, burns, and battery damage.
- **Disposal:** Batteries contain lead (Pb) and other hazardous materials. Always recycle batteries responsibly at an approved facility. Do not dispose of with household waste.



Figure 2: Safety warnings displayed on the Voltex YTX14L-BS battery casing.

3. SETUP AND INSTALLATION

The Voltex YTX14L-BS is a factory-sealed AGM battery and does not require initial acid filling or activation. It is ready for installation upon purchase.

Installation Steps:

1. **Prepare the Vehicle:** Ensure the vehicle's ignition is off and the key is removed. Consult your vehicle's owner's manual for specific battery removal and installation procedures.
2. **Remove Old Battery:** Disconnect the negative (-) terminal first, followed by the positive (+) terminal. Carefully remove the old battery from its tray.
3. **Inspect and Clean:** Clean the battery tray and terminals of any corrosion or debris. Ensure the battery cables are in good condition.
4. **Position New Battery:** Place the Voltex YTX14L-BS battery securely in the battery tray. Ensure it is stable and will not shift during operation.
5. **Connect Terminals:** Connect the positive (+) terminal first, then the negative (-) terminal. Use the provided hardware (nuts and bolts) to ensure a tight and secure connection. Do not overtighten.
6. **Secure Battery:** Use any existing battery hold-down straps or clamps to secure the battery firmly in place.



Figure 3: Top view of the Voltex YTX14L-BS battery, showing the positive and negative terminals.



Figure 4: The Voltex YTX14L-BS battery with the included terminal nuts and bolts for secure connection.

4. OPERATING INSTRUCTIONS (CHARGING)

While your Voltex AGM battery is maintenance-free, proper charging is crucial for its longevity and performance. Always use a charger compatible with AGM batteries.

Recommended Charging Methods:

- **Standard Charge:** For a thorough and gentle charge, apply a current of **1.4 Amperes (A)** for **5 to 10 hours**.
- **Quick Charge:** For faster charging when time is limited, apply a current of **14.0 Amperes (A)** for **30 minutes**. This method should be used sparingly and with caution.
- **Charge Voltage:** The recommended charge voltage range is **13.8 Volts (V) to 15 Volts (V)**. Ensure your charger operates within this range.

Important: Do not overcharge the battery, as this can significantly reduce its lifespan. Disconnect the charger once the battery is fully charged.

5. MAINTENANCE

The Voltex YTX14L-BS is a "Maintenance Free" battery, meaning it does not require water refilling. However, some general care practices will help ensure its optimal performance and lifespan:

- **Keep Terminals Clean:** Periodically inspect the battery terminals for corrosion. If present, clean them with a wire brush and a mixture of baking soda and water. Rinse thoroughly and dry.
- **Ensure Tight Connections:** Check that the battery cable connections to the terminals are always tight and secure.

Loose connections can lead to poor performance and heat buildup.

- **Regular Use:** Batteries perform best when used regularly. If the vehicle is stored for extended periods, consider using a trickle charger or battery maintainer.
- **Storage:** If the battery is to be stored for a long time (e.g., off-season), recharge it at least every three months. Store the battery in a dry, cool, and low-temperature environment to prevent self-discharge and avoid short circuits.
- **Physical Inspection:** Regularly check the battery casing for any signs of damage, cracks, or swelling. If damage is observed, replace the battery immediately.

6. TROUBLESHOOTING

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

- **Engine Cranks Slowly or Not At All:**
 - Check battery terminal connections for tightness and corrosion.
 - Ensure the battery is fully charged according to the charging instructions.
 - Test the battery voltage with a multimeter. A fully charged 12V battery should read around 12.6V or higher.
 - Have your vehicle's charging system (alternator/stator and regulator) checked by a qualified mechanic.
- **Battery Not Holding a Charge:**
 - Verify that your charging method and charger are correct and functioning properly.
 - Check for parasitic drains on your vehicle's electrical system (components drawing power when the vehicle is off).
 - The battery may have reached the end of its service life and require replacement.
- **Swollen or Leaking Battery Case:**
 - This indicates severe overcharging or internal damage. Immediately disconnect the battery (negative terminal first) and replace it. Do not attempt to charge or use a swollen battery.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	Voltex
Model Number	YTX14L-BS
Battery Type	Sealed AGM (Absorbent Glass Mat)
Voltage	12 Volts
Capacity (10HR)	14 Ampere-hours (Ah)
Cold Cranking Amps (CCA)	200 Amperes
Number of Cells	6
Standard Charge	1.4A for 5-10 hours
Quick Charge	14.0A for 30 minutes

Feature	Specification
Charge Voltage	13.8V - 15V
Certifications	ISO 9001, ISO 14001
Applications	Motorcycle, PWC, Snowmobile, ATV
Country of Manufacture	Thailand
UPC	724376998951

8. WARRANTY AND SUPPORT

For warranty information or technical support regarding your Voltex YTX14L-BS battery, please contact the manufacturer directly.

Contact Email: voltexpowerbattery@gmail.com

Please have your battery model number (YTX14L-BS) and purchase details ready when contacting support.

© 2023 Voltex. All rights reserved.

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

