

1. Overview

The Weize YTX20HL-BS is a sealed, maintenance-free, Absorbed Glass Mat (AGM) lead-acid battery designed for powersports vehicles. It is pre-charged and ready for installation upon delivery.



2. Features and Specifications

2.1 Key Features

- **Maintenance-Free Design:** Factory activated. No need to add water or perform regular fluid checks.
- **Sealed AGM (Absorbed Glass Mat) Technology:** Electrolyte is absorbed in glass mats, making the battery spill-proof and leak-proof up to a 90° angle.
- **Valve Regulated Vent System:** Manages internal gas pressure.
- **High Resistance:** Designed to withstand extreme freeze, heat, vibration, and impact.
- **Certifications:** UL, CE, and ISO 9001 certified.
- **Superior Cranking Power:** Provides high cold cranking amps (CCA) for reliable starting.

2.2 Technical Specifications

Specification	Detail
Voltage	12 Volts
Cold Cranking Amps (CCA)	300
Capacity (10-hour rate)	18 Ah
Recommended Charge Current	1.8 A
Terminal Type	Nut & Bolt
Case Material	ABS Plastic
Dimensions (L x W x H)	6.89" x 3.43" x 6.10" (175mm x 87mm x 155mm)
Weight	12.76 lbs (5.82 kg)
Battery Chemistry	Sealed Lead Acid (SLA), AGM

3. Use Guide

3.1 Safety Precautions

- Always wear protective gloves and safety glasses when handling the battery.
- Keep the battery away from open flames and sparks.
- Do not disassemble, crush, or puncture the battery.
- Ensure the area is well-ventilated during installation and charging.

3.2 Installation

1. **Preparation:** Turn off the vehicle's ignition and all electrical accessories. Identify the positive (+) and negative (-) terminals on both the battery and the vehicle.
2. **Remove Old Battery:** Disconnect the negative (-) cable first, then the positive (+) cable. Remove any mounting hardware and carefully lift the old battery out.
3. **Inspect and Clean:** Clean the battery tray and cable terminals with a wire brush if corroded. Ensure the tray is dry.
4. **Install New Battery:** Place the new YTX20HL-BS battery into the tray, ensuring it is oriented correctly (terminals match vehicle cables). Secure it with the provided or existing mounting hardware.

5. **Connect Terminals:** Connect the positive (+) vehicle cable to the positive battery terminal first and tighten securely. Then connect the negative (-) cable to the negative terminal. Apply a thin coat of petroleum jelly or anti-corrosion spray to the terminals.

Note: The battery is shipped pre-charged. If the vehicle is not to be used immediately, or if the battery has been stored, refer to the charging section below.

3.3 Initial Charging (If Required)

For optimal performance and longevity, it is recommended to give the battery a full charge before its first use, especially if it has been in storage.

1. Use a smart charger designed for 12V AGM/lead-acid batteries.
2. Set the charger to the correct voltage (12V) and a charge current not exceeding 1.8 Amps.
3. Connect the charger's positive lead to the battery's positive terminal, and the negative lead to the negative terminal.
4. Charge until the charger indicates a full charge (usually when the current drops to a trickle or the charger switches to maintenance mode).
5. Disconnect the charger.

3.4 Regular Maintenance and Storage

- **Maintenance:** As an AGM battery, it requires no water addition. Periodically check terminals for corrosion and clean if necessary. Ensure connections are tight.
- **Storage:** If storing the battery for more than a month:
 - Fully charge the battery before storage.
 - Store in a cool, dry place, away from metal objects.
 - Recharge the battery every 3-6 months to prevent deep discharge, which can cause permanent damage.

4. Compatibility

The YTX20HL-BS is designed to fit a wide range of powersports vehicles. Always verify the physical dimensions and terminal orientation match your vehicle's requirements before purchase. Compatible vehicle types and examples include:

- **ATVs:** Arctic Cat, BRP (Can-Am) Outlander, Honda TRX680FA Rincon, Polaris Sportsman, Yamaha Grizzly/Kodiak.
- **Motorcycles:** Harley-Davidson Softail/Dyna/Sportster, Honda Gold Wing, Indian Chief, Kawasaki Concours, Yamaha Star Venture/V Star.

- **Personal Watercraft (PWC):** BRP (Sea-Doo) GTI/GTX, Kawasaki Jet Ski Ultra, Yamaha FX/GP.
- **Snowmobiles:** Arctic Cat, BRP (Ski-Doo) Expedition, Polaris Switchback/RMK, Yamaha Vector/Nytro.
- **Utility Task Vehicles (UTVs):** Arctic Cat Prowler, Kawasaki Mule, Polaris RZR.

Important: This is a partial list. Consult your vehicle's owner manual or a compatibility guide to confirm the correct battery model (YTX20HL-BS).

5. Troubleshooting

Symptom	Possible Cause	Action
Vehicle does not start, no sound	Battery completely discharged; Loose or corroded terminals; Faulty connection.	Check and clean terminals. Recharge battery fully. If problem persists, test battery voltage.
Slow cranking	Battery undercharged; Poor connection; Extreme cold weather.	Recharge battery. Check terminal connections. In cold weather, a full charge is critical.
Battery does not hold charge	Battery has reached end of life; Parasitic drain from vehicle; Faulty charging system.	Have the battery load tested. Check vehicle for electrical drains and ensure the alternator/voltage regulator is functioning properly.
Swollen or cracked case	Overcharging; Physical damage; Excessive heat.	Discontinue use immediately. Do not charge or install. Replace the battery.

6. Product Information

Attribute	Detail
Brand	WEIZE
Manufacturer Part Number	WEIZE
UPC	784237345584
ASIN	B07S8ZH8GM

Warning

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