

5-YEAR LIMITED WARRANTY



INTERSTATE® LITHIUM POWERSPORTS BATTERY

SAFETY & OPERATION MANUAL

POWER BEYOND COMPARE™



Please read this manual carefully before use and retain it for future reference. Not following the instructions and warnings could lead to battery failure, serious injury, death, property or product damage and may void the warranty.

INTERSTATE®

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IMPORTANT: The batteries are shipped partially charged and must be fully charged using a LiFePO4 lithium charger before use. The warning label provides important safety information and charging guidelines. Additionally, the battery must be registered to activate the extended warranty.

The ABYC E-13 Standard outlines essential guidelines for the safe, reliable and proper installation of LiFePO4 (lithium iron phosphate) batteries on powersports vehicles. It ensures that lithium-ion battery systems are correctly integrated and operated in marine environments. To view the full standards, please visit abycinc.org.

SAFETY INSTRUCTIONS

Use only the lithium battery specified for your particular application. For compatibility details, refer to InterstateBatteries.com.

This battery is designed exclusively for use in powersports vehicles such as motorcycles, scooters, ATVs/UTVs and personal watercraft.

Not suitable for American V-Twin engine models. Unless explicitly stated on the battery package.

Do not use in snowmobiles or in environments with temperatures below -4°F (-20°C).

Avoid exposing the battery to temperatures above 122°F (50°C).

This battery is not intended for use in cars, trucks or any automotive-related systems.

Do not connect this battery with other types of batteries or use it in series or parallel configurations.

Before installation, perform a complete test of the vehicle's charging system to prevent overcharging.

Do not install in vehicles lacking a solid-state or electronic voltage regulator/rectifier.

Avoid installation in vehicles with faulty charging systems or damaged voltage regulators.

Follow proper battery storage procedures during long periods of inactivity.

If the State of Charge (SOC) indicator shows no lights, do not attempt to charge or jump-start the battery. This may indicate internal damage.

Never use a battery with a swollen or deformed casing—discontinue use immediately.

Never attempt to jump-start a battery that is damaged or frozen.

If jump-starting from another vehicle, ensure the donor vehicle is turned off and disconnect cables immediately after starting.

DO NOT use this battery to jump-start other vehicles.

DO NOT immerse the battery in water.

DO NOT use or store the battery near sources of fire or heat.

DO NOT reverse the positive (+) or negative (-) terminals.

DO NOT connect the battery directly to AC outlets.

DO NOT expose the battery to fire or direct heat.

DO NOT short-circuit the battery by connecting wires or other metal objects to the positive (+) and negative (-) terminals simultaneously.

DO NOT pierce the battery case with a nail or other sharp objects or break it open with a hammer or step on it.

DO NOT strike, throw or otherwise subject the battery to physical shock.

DO NOT attempt to disassemble, open or modify the battery in any way.

DO NOT use the battery in combination with primary (such as dry cell batteries) or batteries of different capacity, type, technology or brand.

DO NOT use the battery if it gives off an odor, generates heat, becomes discolored or deformed or appears abnormal in any way. If the battery is in use or being recharged, remove it from the device or charger immediately and discontinue use.

DO NOT use a desulfation-type charger. Always affix battery cables to battery terminals securely with original bolts and nuts supplied. Sparks caused by loose connections may damage the battery and/or vehicle.

Please recycle this product in accordance with your local laws and regulations when the product has reached the end of its useful life. Keep out of the reach of children and pets.

CAUTION: Misuse or abuse of the battery may result in failure, serious injury, death or property damage and will void the warranty.

BATTERY INSTALLATION

Safety Precautions

Always wear proper eye protection and personal protective equipment (PPE) when handling batteries. Remove all jewelry or metallic objects that might come into contact with the battery before starting the removal or installation process.

Step-by-Step Installation:

1. Check Battery Status:

Inspect the State of Charge (SOC) Voltage Indicator. If charging is needed, refer to the battery charging guidelines before proceeding.

2. Remove Old Battery:

Disconnect the negative cable first, followed by the positive cable. Then carefully remove the old battery from the vehicle.

3. Fit the New Battery:

Test-fit the lithium battery in the battery compartment. Some models may include spacer blocks to adjust the height, length, and width. Compare with the old battery and make adjustments as needed. For more details about Foam spacer selection, refer to separate "Spacer Instructions" Manual in retail box.

4. Secure the Battery:

Ensure the battery is firmly and safely mounted in the vehicle.

5. Reconnect Cables:

Attach the positive cable first, then the negative cable. Avoid overtightening the terminal bolts. Recommended torque specs:

5mm bolts: 30 inch-pounds

6mm bolts: 40 inch-pounds

Quad Terminal Battery:

Identify: A quad terminal battery is a battery that has four

posts (two positive, two negative). This feature is called out by using a “Q” to indicate a quad terminal battery. (ex. Li20QPS12V600)

Installation: Place the battery in the designated location so the closest battery posts match cable polarity. Rotate the battery 180° if needed. Attach the positive cable to the positive battery terminal (+) and the negative cable to the negative battery terminal (-)

Extra/Unused Terminals: After connecting the vehicle’s positive cable, if accessories need battery power, use the unused terminals on the opposite side as an extra power point. Confirm correct polarity before connecting.

Additional Recommendations:

- Check for Parasitic Drain:
After installation, test for any parasitic voltage draw, which can occur due to systems like alarms or electronic control modules. Lithium batteries typically have lower amp-hour capacity than lead-acid batteries and may discharge more quickly under these conditions.
- Storage Precautions:
If the vehicle will be unused for an extended period, it’s advised to either disconnect the negative cable or connect the battery to a compatible charger or maintainer. Refer to the battery charging section for proper procedures.

BATTERY CHARGING

CHARGING SYSTEM NOTICE

WARNING!

Before installing the battery, it is critical to perform a comprehensive test of the vehicle’s charging system. Any malfunction or damage—especially to the voltage regulator—can lead to battery failure, serious injury, fatal accidents, property loss and void the warranty.

If your vehicle lacks a solid-state or electronic voltage regulator/rectifier, do not install this battery. An upgraded charging system must be installed before use. Vehicles manufactured in the mid-1990s or earlier often do not include this type of regulator. If your vehicle falls into this category, switching to a compatible electronic regulator/rectifier is mandatory before using a lithium battery.

WARNING! CHARGING LIMITATIONS

Charging this battery above 14.6 volts can exceed the limits of its built-in protection system. Overvoltage may lead to battery failure, serious injury, death, damage to property or equipment and will void the warranty.

BATTERY MAINTENANCE & STORAGE

BATTERY MAINTENANCE

Inspect the battery every three months for signs of wear, including loose connections, physical damage or corrosion.

To check the battery's charge level, press the State of Charge button located on top of the battery (refer to the SOC Voltage Indicator section).

BATTERY STORAGE

If the vehicle will be unused for 30 days or more, disconnect the negative cable and either fully charge the battery or connect it to a compatible charger or maintainer.

If your vehicle has any parasitic power drains (e.g., alarms or onboard electronics), storage time may need to be shorter (see Battery Installation section).

Avoid storing the battery at or below 12.89 volts for extended periods. If only one light is visible on the SOC indicator, this may signal low voltage and potential cell damage, which is not covered by warranty.

JUMP-STARTING GUIDELINES

- Do not use this battery to jump-start another vehicle.
- Do not attempt to jump-start a battery that is completely discharged (no lights on the SOC indicator) or frozen.
- If jump-starting is necessary, use a high-quality jump-start pack and follow the manufacturer's instructions carefully.
- Disconnect the jump-start pack immediately after the vehicle starts.
- If using another vehicle to jump-start, ensure the donor vehicle is turned off during the process and disconnect the cables promptly once the engine starts.

BATTERY MANAGEMENT SYSTEMS (BMS) PROTECTION

Interstate Batteries lithium powersports batteries feature a built-in intelligent Battery Management System (BMS). This system continuously monitors the battery's internal cells, voltage and temperature to ensure safe operation. If abnormal conditions occur, the BMS automatically disconnects power to prevent damage and maintain safety. It provides protection against:

- Overcharge: Restores power when voltage returns to a safe level after charging is removed.
- Over Discharge: Restores power when voltage returns to a safe level after charging begins.
- Over Temperature: Restores power when the battery cools to its normal operating range.

STATE OF CHARGE VOLTAGE INDICATOR

To activate the STATE OF CHARGE Voltage Indicator, press and hold the State of Charge button on the top of the battery.

- 3 Lights: Fully charged
- 2 Lights: Suggest charging the battery before use
- 1 Light: Recharge Battery Immediately

For further direction on safe and proper handling, please consult a professional.

No Indicator Light Present:

- Do not attempt to charge or jump-start the battery.
- Do not use the battery.
- The lithium cells may be damaged.

WARNING!

Do not charge the battery if no lights are visible on the State of Charge (SOC) indicator. No visible lights on the SOC indicator imply the battery voltage is at a dangerously low level, and should not be charged or jump started. Charging at this low voltage level can cause battery failure, fire or explosion and may result in serious injury or property damage. This misuse will void all warranties. Always confirm at least one SOC light is illuminated before charging.

COMMON FAULTS AND SOLUTIONS

Battery Will Not Charge

- The battery voltage may be too low for the charger to detect. Refer to your charger's manual for guidance.
- Extended storage at low voltage (below 12.89V) can cause irreversible cell damage.

Battery Won't Hold a Charge

- Check for parasitic power drains in the vehicle. These are common in powersports vehicles and can quickly deplete lithium batteries, which have lower amp-hour capacity than lead-acid types.
- For long-term storage, either disconnect the negative cable or use a compatible charger/maintainer.

Poor Performance in Cold Weather

- Cold temperatures increase internal resistance, which can reduce battery performance.
- If the vehicle doesn't start on the first attempt, turn on the lights or accessories briefly or press the starter button a few times to help warm the battery internally.

- This battery is not recommended for use in temperatures below -4°F (-20°C).

Battery Case is Swollen or Deformed

- Stop using the battery immediately. This is often caused by overcharging, excessive voltage or using an incompatible charger or a faulty vehicle charging system.
- While the battery includes over-voltage protection, it has limitations.
- Swelling can also result from using a battery with insufficient cranking amps or attempting to jump-start another vehicle.

If additional support for any of these issues is needed or if the problem persists, contact Interstate Batteries support at 888.772.3600.

LIMITED WARRANTY INFORMATION

This lithium battery is accompanied by a 5-year limited replacement warranty, effective from the date of purchase by the original retail customer. This warranty is non-transferable and applies only to the initial purchaser. The product must be registered with Interstate Batteries® for the warranty to be valid. See link below:

<https://www.interstatebatteries.com/support/warranty/lithium-warranty-registration>

For details about the Interstate Batteries limited lithium warranty, please visit our warranty page at [InterstateBatteries.com/support/warranty/](https://www.interstatebatteries.com/support/warranty/)

For more details and compatibility guidance, visit [InterstateBatteries.com](https://www.interstatebatteries.com)

All warranty claims must be processed through the authorized dealer where the battery was purchased.

Please do not contact the distributor directly.

If purchased through Amazon or another third-party platform, refer to your invoice for dealer information.

Warranty Exclusions

The warranty does not cover the following:

- Physical damage resulting from misuse, incorrect installation or poor maintenance.
- Batteries that have been altered, opened or tampered with.
- Use of incompatible chargers or failure to follow charging, maintenance and storage guidelines.
- Damage caused by a malfunctioning or defective vehicle charging system.
- Exposure to charging voltages exceeding 14.6 volts.
- Extended storage at voltages below 12.9 volts.
- Use in vehicles other than motorcycles, scooters, ATVs/UTVs or watercraft.
- Installation in vehicles requiring higher cranking capacity than the battery provides.
- Use in American V-Twin engine applications unless explicitly stated on the battery label.
- Use in “total loss” electrical systems (vehicles with no onboard charging system).
- Batteries obtained through promotional giveaways, sponsorships or other non-retail channels.

BATTERY DISPOSAL

WARNING!

1. DO NOT dispose of the battery in the trash.
2. DO NOT include a lithium battery with lead-acid battery recycling.
3. Recycle or dispose of the battery in accordance with all federal, state and local regulations or bring it to the nearest recycling facility.

Visit [InterstateBatteries.com/recycling](https://www.interstatebatteries.com/recycling) to recycle with us. For further needs, contact the distributor or dealer from the original purchase.

 **WARNING:** This product can expose you to chemicals including, lithium and nickel, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65Warnings.ca.gov.



UN 38.3

**BATTERY MUST
BE RECYCLED
IN SOME STATES**

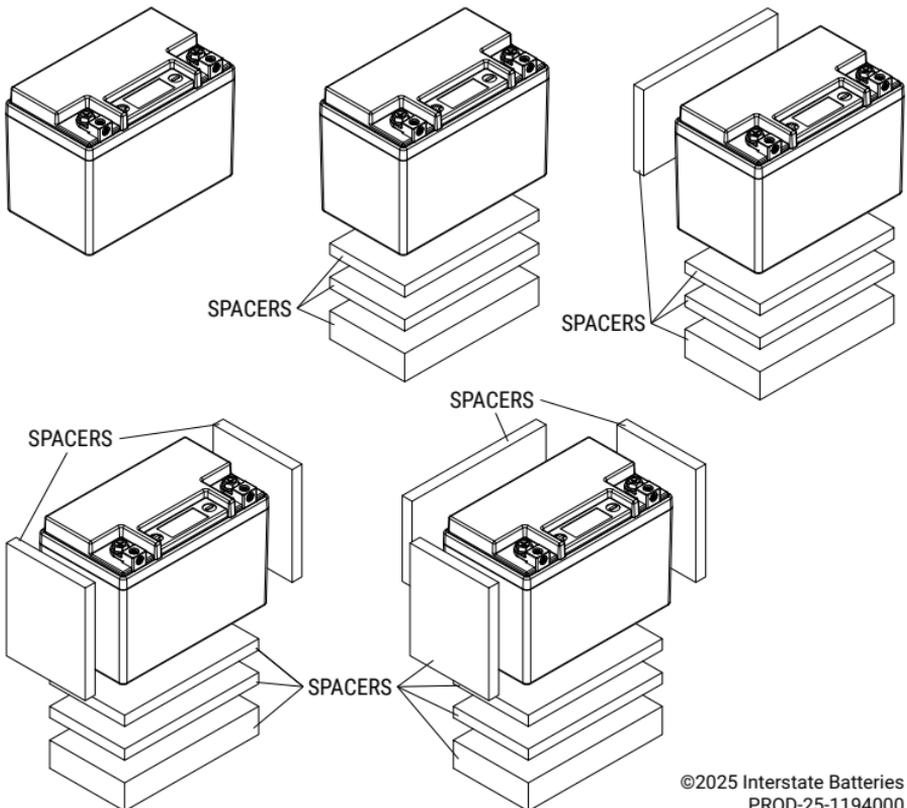
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Spacer Installation

The included foam spacer blocks are designed to help ensure your new lithium-ion battery fits securely and correctly in your powersports vehicle. Depending on the size and shape of your vehicle's battery compartment, you may need to use the spacers in different arrangements.

See the diagrams below for examples of how to position the spacers to adjust the battery's height or to stabilize it within the compartment.

The following images are for illustrative purposes only. Consult a professional for guidance specific to your vehicle and handle with care.



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For further direction on safe and proper handling, please consult a professional.

Part Number	Compatible Part Number	Compatible Battery Dimensions (mm)	Height (mm)	Width (mm)	Length (mm)
Li7PS12V300	BTZ5S BTZ4V BTX4L-BS	113x70x85		1x15	
	BTZ7S BTZ6V BTX5L-BS	113x70x105	1x15, 1x5	1x15	
	BTZ8V BTX7L-BS	113x70x130	3x15	1x15	
Li9PS12V400	BTZ10S BTX7A-BS	150x87x93			
	BTX9-BS BTR9-BS BT12A-BS	150x87x105	1x10		
Li14PS12V500	BTZ12S BTZ14S	150x87x110			
	BTX12 BTX12-BS	150x87x130	2x10		
	BTX14 BTX14H BTX14-BS BTX14H-BS	150x87x145	1x25, 1x10		
	BTX16-BS BTX16-BS-1 BTX20CH-BS	150x87x161	2x25		
Li14QPS12V500	BT7B-4 BT7B-BS	150x65x92			1x15
	BT9B-4 BT9B-BS	150x70x105	1x15	1x5	1x15
	BT12B-4 BT12B-BS	150x70x130	1x25, 1x15	1x5	1x15
	BT14B-4 BT14B-BS	150x70x145	2x25	1x5	1x15
	BTX14AH BTX14AH-BS BTX14AHL BTX14AHL-BS	134x89x166	3x25	1x25	
Li20QPS12V600	BTX20 BTX20-BS BTX20H BTX20H-BS BTX20L BTX20L-BS BTX20HL BTX20HL-BS	175x87x155			
	BTX24HL BTX24HL-BS	205x87x162	1x5		3x10
Li30QPS12V1000HP	BTX30L BTX30L-BS BIX30L BIX30L-BS	167x126x174			
	BTX30L-BS-PW	167x126x190	1x5, 1x10		

For the most up-to-date information, please visit InterstateBatteries.com

For further direction on safe and proper handling, please consult a professional.