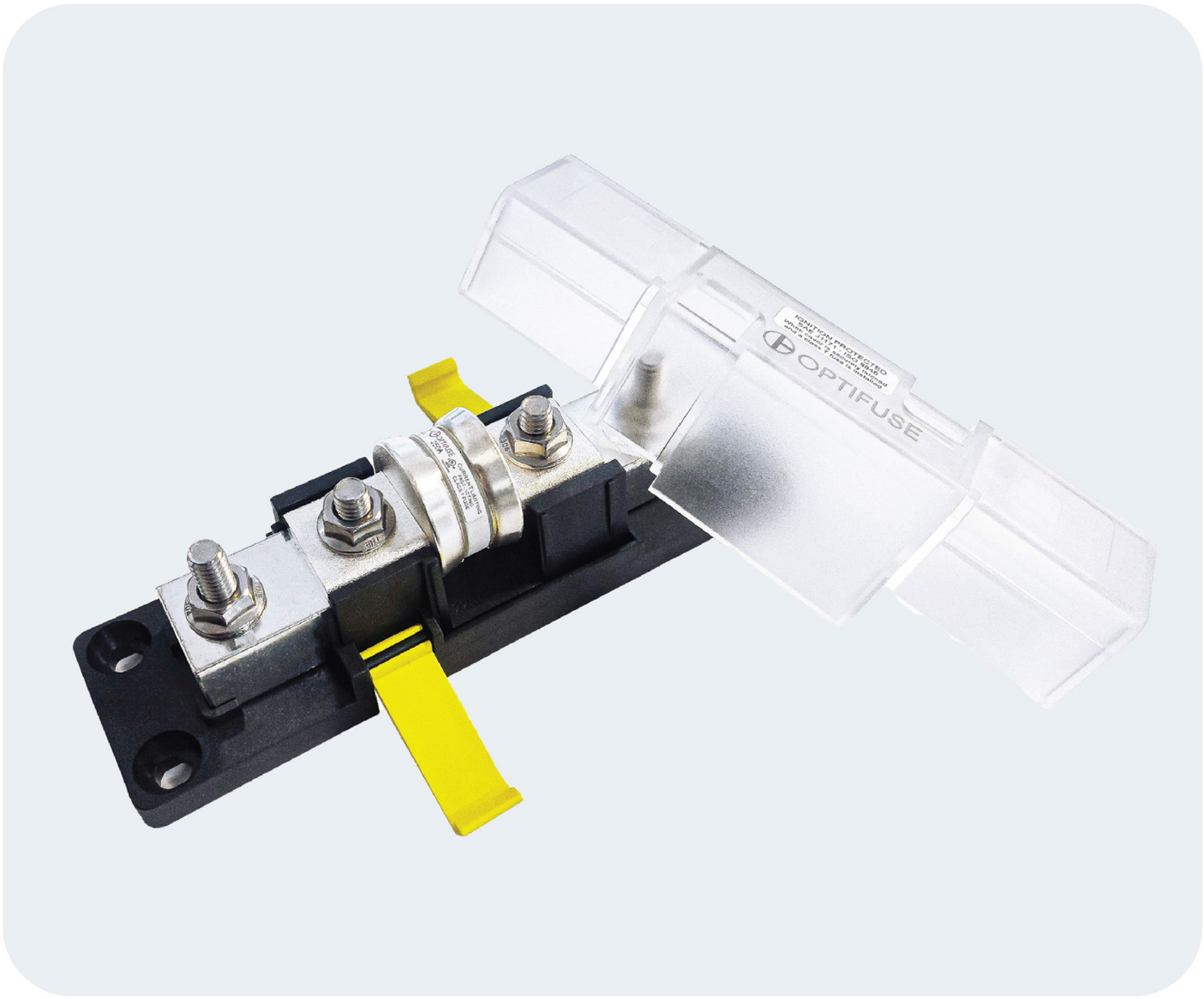
BLT3-400 Fuse Block Installation Guide for Marine, RV, and Automotive Applications

Proper installation of the BLT3-400 fuse block ensures reliable power distribution and protection for your marine, RV, or automotive electrical system. This guide provides step-by-step instructions for safely mounting the fuse block, connecting battery and inverter cables, and selecting the correct fuse for your application.



Before You Start

- **Safety Precaution**
  Always turn off all AC/DC power sources before starting the installation to prevent electric shock.

- **Tools Needed for Fuse Block Installation**
  - ¼" or M6 mounting hardware
  - Torque wrench (in-lbs or N-m)
  - Pliers (for cover installation)

Choosing the Right Location

1. As close to the battery's positive terminal as possible:
   - **Marine Installation:** Place the fuse block within 7 inches of the battery's positive terminal (per ABYC standard).
   - **RV/Automotive Installation:** Place within 18 inches of the battery's positive terminal; under 7 inches is preferred.
   - **General Rule:** Keep the fuse block as close as possible to the battery's positive terminal.
2. Clearance Requirements:
   - Leave at least 6 inches between the fuse block and nearby equipment.
   - Allow extra space if near grounded metal surfaces.
3. Secure Mounting Surface:
   - Ensure the mounting surface is flat and strong enough to securely hold the fuse block.

Installation Steps

Step 1: Mount the BLT3-400 Fuse Block

- Use ¼" or M6 screws for mounting.
- Tighten screws to 72 in-lbs (8.1 N-m) torque to ensure a firm hold.

Step 2: Install F3T Fuse in the BLT3-400 Fuse Block

- Install the fuse, then the flat washer, lock washer, and hex nut in that order.
- Tighten to 107 in-lbs (12.9 N-m) torque to ensure a firm connection.
- The connection can safely handle up to 27.6 N-m if needed.

Step 3: Connect the Battery Cable to the Fuse Block

- Place the battery cable lug onto the fuse block terminal.
- Follow the same order: flat washer > lock washer > hex nut.
- Tighten to 107 in-lbs (12.9 N-m) torque for a secure connection.
- The connection can safely handle up to 27.6 N-m if needed.

Tip: Make sure wires are routed perpendicularly so they can exit cleanly once the cover is on.

Step 4: Connect the Inverter Cable to the Fuse Block

- Place the inverter cable lug onto the fuse block terminal.
- Install flat washer > lock washer > hex nut.
- Tighten to 107 in-lbs (12.9 N-m) torque; connection can handle up to 27.6 N-m if needed.

Tip: Make sure wires are routed perpendicularly so they can exit cleanly once the cover is on.

Step 5: Install the Fuse Block Cover

- Use pliers to lift the side tabs so wires can pass through.
- Snap the cover into place and secure using the two latching arms until they click.

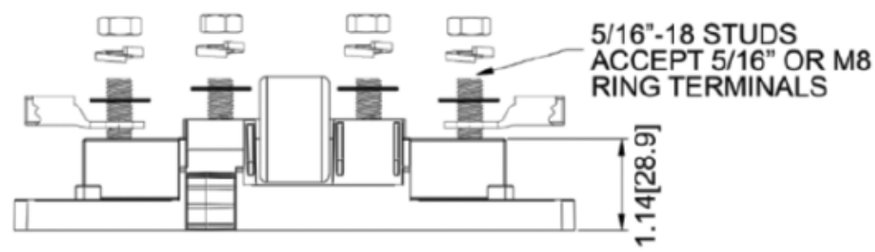
Choosing the Right Fuse

Wire Size (AWG/mm²)	Current Capacity*	Recommended Fuse
4/0 AWG (107.16 mm²)	360A	400A
2/0 AWG (67.4 mm²)	265A	300A

*Values can vary. Always consult a qualified electrician when configuring your system.

Installation Diagram

Installation Order:



Installation Orientation: