

## Marinco AMRM-301EL-B

# Marinco AMRM-301EL-B 30 Amp Standard Shore Power Inlet User Manual

## INTRODUCTION

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This manual provides essential instructions for the safe installation, operation, and maintenance of your Marinco AMRM-301EL-B 30 Amp Standard Shore Power Inlet. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## SAFETY INFORMATION

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**WARNING: Risk of electric shock or fire. Improper installation or use can result in serious injury or death.**

- Always disconnect shore power at the source before attempting any installation, maintenance, or inspection of the inlet.
- Installation should be performed by a qualified marine electrician or technician in accordance with all applicable electrical codes and standards.
- Ensure all wiring connections are secure and properly insulated.
- Do not operate the inlet if it appears damaged or corroded.
- This product is designed for 125V, 30 Amp applications. Do not exceed these ratings.

## PRODUCT FEATURES

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- 30 Amp shore power standard inlet
- Easy lock system for secure connection
- Constructed from glass-filled polyester for durability
- Watertight design
- Rear safety enclosure with strain relief
- Color: White

- Amperage: 30 AMP

## PACKAGE CONTENTS

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Verify that all components are present before beginning installation:

- Maringo AMRM-301EL-B 30 Amp Standard Shore Power Inlet
- Mounting gasket
- Mounting screws (typically included, verify with packaging)

## SETUP AND INSTALLATION

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Professional installation is highly recommended for this electrical product.

### 1. Site Selection and Preparation

- Choose a mounting location that is easily accessible, protected from excessive spray, and allows for proper cable routing.
- Ensure there is sufficient clearance behind the mounting surface for the rear safety enclosure and wiring.
- Cut a mounting hole according to the template provided with the product (if applicable) or the manufacturer's specifications. Deburr edges.

### 2. Wiring

**Before wiring, ensure all power sources are disconnected.**

- Route the appropriate gauge marine-grade electrical cable (typically 10 AWG for 30 Amp) to the inlet location.
- Connect the wires to the inlet terminals:
  - **Green wire:** Ground (G)
  - **White wire:** Neutral (N)
  - **Black wire:** Hot (L)
- Ensure all connections are tight and secure. Use appropriate crimp terminals if necessary.
- Install the rear safety enclosure and strain relief to protect the wiring and prevent accidental disconnection or damage.

### 3. Mounting

- Apply a marine-grade sealant around the edge of the mounting hole to ensure a watertight seal.
- Place the gasket over the mounting hole.
- Position the inlet into the mounting hole, aligning the screw holes.
- Secure the inlet with the provided mounting screws, tightening them evenly until snug. Do not overtighten.



This image shows the Maringo AMRM-301EL-B 30 Amp Standard Shore Power Inlet, highlighting its white glass-filled polyester housing and the easy-lock system. The front face with the three-prong receptacle is visible.

## OPERATING INSTRUCTIONS

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### Connecting Shore Power

1. Ensure the shore power pedestal breaker is in the OFF position.
2. Align the shore power cord plug with the inlet on your vessel.
3. Push the plug firmly into the inlet until it is fully seated.
4. Rotate the locking ring on the shore power cord clockwise until it is securely tightened to the inlet. This engages the easy lock system, creating a watertight and secure connection.
5. Turn the shore power pedestal breaker to the ON position.

### Disconnecting Shore Power

1. Turn the shore power pedestal breaker to the OFF position.
2. Rotate the locking ring on the shore power cord counter-clockwise to loosen it.
3. Pull the plug straight out from the inlet. Do not pull by the cable.
4. Replace the inlet cap (if applicable) to protect it from the elements when not in use.

## MAINTENANCE

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- **Regular Inspection:** Periodically inspect the inlet for signs of wear, corrosion, cracks, or damage to the housing or terminals. Check the integrity of the watertight seal.
- **Cleaning:** Keep the inlet clean and free of salt, dirt, and debris. Use a mild soap and fresh water solution, then rinse thoroughly. Avoid abrasive cleaners or solvents.
- **Terminal Check:** Annually, or if issues arise, have a qualified technician check the terminal connections for tightness and corrosion.

- **Replacement:** If any part of the inlet is damaged or shows significant wear, it should be replaced immediately by a qualified professional.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
No power at vessel when connected to shore power.	Shore power pedestal breaker is off or tripped. Shore power cord is faulty. Inlet wiring is loose or damaged.	Check and reset the shore power pedestal breaker. Test the shore power cord. Inspect inlet wiring (with power off); consult a professional if unsure.
Shore power cord feels loose in the inlet.	Locking ring not fully tightened. Inlet or cord plug is worn or damaged.	Ensure the locking ring is rotated clockwise until fully secure. Inspect the inlet and cord plug for damage; replace if necessary.
Corrosion visible on inlet terminals.	Exposure to marine environment.	Clean terminals carefully (with power off) using a non-abrasive cleaner. Apply dielectric grease to prevent future corrosion. Consider professional inspection.

## SPECIFICATIONS

- **Brand:** Marinco
- **Model Number:** AMRM-301EL-B
- **Input Current:** 30 Amps
- **Voltage:** 125 Volts
- **Connector Gender:** Male-to-Female (referring to the overall connection system)
- **Plug Type:** Type B (NEMA L5-30R equivalent for the inlet receptacle)
- **UL Listed:** Yes
- **Material:** Glass-filled polyester
- **Color:** White

## WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the official Marinco website or contact Marinco customer service directly. Keep your purchase receipt as proof of purchase.

