

## Product Care

Your MARINCO shore power cord set is intended for use outdoors. To prolong the life of the cord set, store indoors when not in use.

The metal parts of your MARINCO EEL cord set are made to resist corrosion. In a salt water environment, life of the product can be increased by periodically cleaning the exposed parts with fresh water, drying and spraying with a moisture displacement aerosol.

A soiled cable can be cleaned with grease cutting household detergent. If you're basic soap and water doesn't do the job, there are cord cleaners available through most marine retailers. A periodic application of vinyl protector will help both ends and cable maintain their original appearance.

### **⚠ DANGER** In case of Salt Water Immersion:

Rinse plug end or connector end thoroughly in fresh water, shake or blow out excess water and allow drying time. Spray with a moisture displacement before re-use. Applying Dielectric Silicone Compound or Grease to the connections will fight oxidation and to improve conductivity. Dielectric grease is available at most marine supply stores.

## Product registration

All product registration is available on line for your convenience. Please start at the [marinco.com](http://marinco.com) website. Navigate to the Support Center and complete the "Product Registration Form". We recommend that you keep the purchase receipt of you new product with the Operators manual and document the "Date Code" for future reference. Date Code can be found on the warning tag as well as stamped on the cord 12 inches from the end.

## MARINCO POWER PRODUCTS LIMITED WARRANTY

Subject to the exclusions and limitations detailed below, MarincO warrants to the original consumer that MARINCO Power Products will be free from defects in materials and workmanship under normal use and service for a period of sixty (60) months from the original consumer's date of purchase.

For purposes of this warranty: (i) "original consumer" is defined as the purchaser who first uses the product after its initial installation or, in the case of products designed for nonpermanent installation, the first owner who uses the product; and (ii) "MarincO" is defined as Actuant Electrical, Inc., a New York corporation, doing business as MarincO.

## OBTAINING WARRANTY SERVICE

In order to obtain the applicable warranty on a product, the original consumer must: (i) notify MarincO of any defect, malfunction or nonconformity within thirty (30) days after discovery of such defect, malfunction, or nonconformity, and (ii) obtain a Return Material Authorization Number ("RMA") from MarincO.

Instructions for obtaining an RMA are available at [www.Marinco.com](http://www.Marinco.com). Unless otherwise prohibited by applicable law: (i) proof of purchase is required at the time warranty services are requested, and (ii) all costs associated with returning the product to MarincO for warranty service shall be the sole responsibility of the original consumer.

Replacement products may be new or refurbished. If MarincO repairs or replaces the product, the repaired or replaced product shall be warranted for the remaining time of the original warranty period or for ninety (90) days from the date of repair, whichever is longer.

# MARINCO®

[marinco.com](http://marinco.com)  
ZX449  
MAR\_TL\_032\_0112

*For more information and installation guides,  
visit our website: [marinco.com](http://marinco.com)*

**FOR:**  
50 Amp 125/250V,  
50 Amp 125V,  
30 Amp 125V,  
models



### Main Product Specifications

The EEL cordset is equipped with Marinco's patented **Easy Electrical Lock System**, allowing quick one handed connecting and locking to your boat. The EEL is compatible with all Marinco inlets regardless of year or style. Please refer to the operations manual or visit the EEL instructional video located at [marinco.com](http://marinco.com).

### Product Features

- Easy one handed connect & lock system
- Blue LED power indicator light on both ends of cord
- Watertight molded plug and connector for safety and durability
- Built-in cord light
- UL approved
- 5 year Warranty
- Secondary lock for added safety

### Safety Symbols Definitions

The instruction manual and labels applied to the product provide information for avoiding injury or death from unsafe practices related to setting up and operating the product. It is critical that all personnel involved with the use of this product understand these hazards and unsafe practices. The following levels define the severity of the hazard.

**⚠ DANGER** Immediate hazards that if not avoided WILL result in server injury or death

**⚠ WARNING** Serious injury or death COULD occur along with property damage if proper attention is not observed

## Warning Labels on Product

### **⚠ WARNING ELECTRICAL CORDS CAN BE HAZARDOUS**

Misuse can result in FIRE, DEATH or INJURY by ELECTRICAL SHOCK.

- If unfamiliar with electrical cord sets or circuits, consult a qualified electrician.
- Inspect cord set thoroughly before each use. DO NOT USE IF DAMAGED OR CUT.
- Look for signs of corrosion or overheating. Examine ends of cord set, face of inlet on boat, and receptacle on dock. Look for corrosion, discoloration or melting. If evidence of corrosion or overheating is present, DO NOT USE AFFECTED ITEM. Replace item or seek qualified help.
- Keep children and pets away from cord set.
- Do not remove, bend or modify any metal prongs or pins of plugs of cord set.
- Turn off boat's shore connection switch before connecting or disconnecting cord set.
- Connect cord set at boat first. Fully insert and connect cord receptacle into boat power inlet.
- Fully insert opposite end plug into shore power outlet.
- If boat is equipped with a polarity indicator which activates, disconnect cord set and correct polarity.
- Avoid overheating. Uncoil cord set while in use and do not cover with any material.
- Do not walk on cord set.
- Do not roll, drag or place object over cord set.
- When finished, disconnect cord set at shore outlet first.
- Do not leave cord set connected to shore outlet when cord set is not in use.
- Store cord set where not exposed to sunlight or weather when not in use.

**⚠ DANGER** In case of water immersion of plug or connector of cords set, AVOID CONTACT WITH WATER. Immediately shut down power source and disconnect cord set. Rinse plug and connector with fresh water. Allow to dry completely before reuse. When dry, spray with electrical contact cleaner.

## **IMPORTANT! READ THESE INSTRUCTIONS BEFORE USING THIS PRODUCT**

Misuse can result in FIRE, INJURY or DEATH.

## Operating Instructions

### CONNECTION

Turn off boat's shore connection circuit before connecting or disconnecting cord set. Connect the cord set at boat by holding the ergonomic molded end in one hand and squeeze the wings. Align and fully insert connector end into shore power inlet on your boat. Release the wings and rotate the connector clockwise for a secure connection. Moving the Locking Tab all the way forward into the gap between the wings adds a second locking feature.

You may now connect to the power source on shore by fully inserting the shore end plug into power outlet on dock side. Should the boats reverse-polarity indicator become active, immediately disconnect cord set. Repair the polarity on the shore power source.

### USAGE

- To avoid overheating, uncoil cord set while in use and do not cover with any material.
- Do not walk on cord set.
- Do not roll, drag or place object over cord set
- Keep children and pets away from cord set
- Do not remove, bend or modify any metal prongs or pins of plugs of cord set

**⚠ WARNING** Always disconnect cord from the shore power source before disconnecting at the boat.

## **FAILURE TO ADHERE TO THIS WARNINGS WILL RESULT IN INJURY OR DEATH DISCONNECTION**

Start by disconnecting the shore-power cable from the power source on shore (dock side). Move the Locking Tab away from boat connection, toward the blue LED. Rotate shore power cord connector counter clockwise. Squeeze Wings and remove from boat Inlet. Close inlet cover tightly. Inspect the connector for signs of overheating.

**⚠ WARNING** Always disconnect cord from the shore power source before disconnecting at the boat.

## **FAILURE TO ADHERE TO THIS WARNINGS WILL RESULT IN INJURY OR DEATH**

### **Troubleshooting**

Marinco plugs, connectors, receptacles and inlets are engineered to provide years of trouble free service. However, the marine environment can cause problems with even the best design devices. Problems can be detected while they are small, it can save the owner time and expense later on. The most common problem with electrical connections is overheating. Fortunately, overheating can be detected and quickly remedied. The following are precautions and solutions to extend the life of your Marinco product.

#### **What to look for.....**

Before each use, examine the ends of the cord set. Look for discoloration or melting around the blades of the plug (male end) and around the slots on the connector (female end). Examine the face of the inlet on the boat and look for discoloration or melting around the blades of the inlet. Examine the receptacle at the Marina and look for discoloration, wear or deterioration around the slots.

#### **What causes overheating.....**

Overheating is generally caused by one or two conditions: corrosion of the metal blades or contacts, or bad connections between the wiring device and the wires connected to it.

Severely corroded blades or contacts are a result of exposure to a corrosive environment, most commonly humidity. Corroded contacts do not make a good electrical connection and overheating will result.

Bad connections between a wiring device and the electrical wires can be a result of loose terminations, corrosion on the wires or terminals, or the wires not being stripped properly leaving the wire insulation under the terminals. A bad connection will result in overheating of the terminal.

#### **What to do.....**

**⚠ WARNING** Wiring devices showing overheating signs should be replaced immediately.

When replacing wiring devices examine the electrical wire and make sure the strands are clean, and not corroded. A new device will not make a good contact to a corroded wire. Many boat owners think overheating is a result of overloading the circuit, but this is rarely the case. A bad connection in an inlet will also cause the mating connector to overheat.

All too frequently a boat owner will merely continue to replace the connector, not realizing that the inlet is causing the problem. Both devices, the connector on the cord and the inlet on the boat, should be replaced in order to prevent the problem from repeating. The same is true for the plug on the cord and the receptacle on the Marina pedestal.

**⚠ WARNING** Carefully follow the wiring instructions supplied with all the replacement devices to insure proper operation.