MARINE
EMERGENCY
VEHICLE
INDUSTRIAL
RV

MARINCO®

2 0 1 7

Battery Management
DC Power Connections
Horns
Lighting
Power Conversion
Shore Power
Ventilation
Wiper Systems

MARINCO®

The leading marine and mobile electrical companies are working together

For decades Ancor, BEP, Blue Sea Systems, Marinco, Mastervolt, and ProMariner have worked independently to lead the industry in innovative electrical solutions. Now the six companies are working together to offer the broadest and most complete electrical solutions for marine and mobile applications.

ANCOR Marine Grade Tinned Wire, Terminals, and Wire Management Products

BEP Battery Management and Czone Digital Switching

BLUE SEA SYSTEMS Battery Management, Circuit Protection, and Panels

MARINCO AC Shore Power, DC Power Connection, and Accessories

MASTERVOLT High Amp Chargers, Inverters, and Power Conversion Products

ProMariner™ Battery Chargers, Inverters, Inverter/Chargers, and Galvanic Isolation

All of the products are designed to easily integrate into simple or comprehensive electrical systems. The world's top manufacturers of boats, emergency vehicles, and RVs are recognizing the quality electrical systems and are specifying our products as original equipment.

The challenge, and our promise is to leverage the deep product understanding in each of our companies with coordinated product development, an ABYC certified technical sales team, and an industry-leading customer service and support group.

MEMBER ABYC. Setting Standards for Safer Boating   **NMMA**   **NMDA** NATIONAL MARINE DISTRIBUTORS ASSOCIATION YOUR LINK TO THE SUPPLY CHAIN

What makes Marinco different:

▍Founder's Vision

Since 1972, <u>Marinco power inlets and cords</u> have set the industry standard. They are built to withstand the harshest marine environments. Marinco has continued to expand their product line to offer a complete range of shore power cords from 16 to 100 amps, as well as a broad range of cord adapters. Marinco is also a leading supplier of wipers, spotlights and horns to the marine industry. Quality, innovation, and our passion for boating are what define Marinco.

▍Innovation & Engineering

Marinco engineers and manufactures a range of <u>high quality electrical solutions</u> designed for the harsh Marine and RV environments. Every product we make meets exacting performance specifications and is designed to withstand extreme conditions both at sea, and on land.

▍Selection

Over 800 electrical products are designed to work together as a system

▍Fast Delivery

Products stocked in multiple global locations ensures rapid order fulfillment

▍Worldwide Access to Product

A distribution network in over 45 countries provides access to products when they are needed

▍Information

24-hour access to product information, selection tools

▍Industry Standards

Industry involvement ensures products meet ABYC, NMMA, and Coast Guard standards

▍Quality

Product quality is managed in a manner consistent with international standards

2016 `NEW` Products

(23) **15A to 50A 125/250V Straight Adpater**
Part # S15-504
Allows connection of 50A 125/250V inlets to 15A 125V cords.

(41) **White SeaLink® Deluxe Dual USB Chargers & Receptacle**
Part # 12VDUSBW-B Dual USB
Part # 12VCOMBOW-B Dual USB & 12V Receptacle
2.1A total output with LED power indicator light for USB charging of common mobile devices.

(41) **SeaLink® Deluxe Dual USB Chargers & Receptacle (w/o LED)**
OEM # 12VDUSBN-B Dual USB
OEM # 12VCOMBON-B Dual USB & 12V Receptacle
2.1A total output for charging common mobile devices.

(49) **ChargePro® 20A & 30A Battery Chargers**
Part # 28220 20A
Part # 28330 30A
On-Board smart battery chargers quickly and efficiently charge and maintain batteries. Meets CEC requirements.

(((Lower Frequency for a Deeper Sound)))

(79) **Updated Electric Horns**
Multiple improvements, including increased dB(A) levels, lower frequency and all stainless steel hardware on select models. All mounting patterns remain the same for drop-in replacement.

(79) **Electric Horn Grills**
Contemporary snap-on or fasten down vertical horn covers in multiple colors and materials.

2017 **NEW** Products

⑲ Gray Power Cord® Plus Cordsets

Part # 199117G   30A 125V, 25 ft
Part # 199119G   30A 125V, 50 ft
Part # 6152SPPG-25 50A 125/250V, 25 ft
Part # 6152SPPG   50A 125/250V, 50 ft

Heavy duty, super flexible marine-grade cable with watertight molded plugs and connectors. The boatside connector features a molded-in LED light for visual power indication.
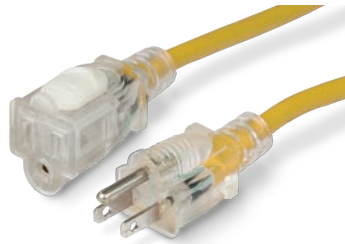
⑳ 15A Marine Grade Locking Extension Cords

Part # 150025   25 ft, locking
Part # 150050   50 ft, locking
Part # 150025NL   25 ft, non locking
Part # 150050NL   50 ft, non locking

Marine-grade 14/3 SJTOW cable and a universal slide button lock on the female end for protection against cable disconnection. The lighted female end provides visual power indication.

㉕ 15A to 50A Pigtail Adapter

Part # 150SPP

Allows waterproof connection of 50A 125/250V inlets to 15A 125V cords. The adapter is fully molded with a sealing collar for use in wet locations and contains an LED light for visual power indication.

### ㊸ 70A Trolling Motor Plugs & Receptacles

Part # 12VBRS3   Receptacle
OEM # 12VBRS3.OEM   Receptacle
Part # 12VBPS3   Plug
OEM # 12VBPS3.OEM   Plug
Part # 12VCPS3   Plug & Receptacle

70A plug and receptacle for modern trolling motors in a compact, waterproof footprint. The plug features an integrated strain relief and thumbprint locator to mate with the keyed receptacle.

�51 1.5 Amp ChargePro® Maintainer

Part # 2701A

Highly reliable, Guest 1.5 Amp maintainer extends battery life and will charge, monitor and re-charge your battery if the voltage drops below 12.9V. The maintainer can be safely connected to the battery for short or long periods of time.
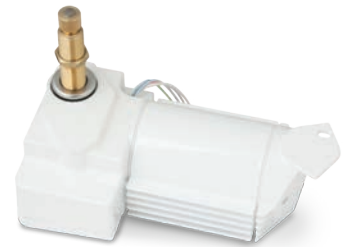
㊽ 3000 Waterproof Wiper Motor

Part # 83081   1.5 shaft, 80° sweep
Part # 83011   1.5 shaft, 110° sweep
Part # 83082   2.5 shaft, 80° sweep
Part # 83012   2.5 shaft, 110° sweep

High torque wiper motor in an IP66 waterproof aluminum housing. Maximum arm/blade combination is 24" with multiple sweep angle settings.

㊶ Under Deck Horn

OEM # 11044   Horn with Pigtail
OEM # 11045   Horn without Pigtail

Hidden horn with permanently mounted grill to protect against water intrusion. Available with and without pigtail for ease of installation.

㊾ IP67 Stainless Steel Spot/ Floodlight & Remotes

Part # 22050A   Spotlight with remote
OEM # 22051A   Spotlight without remote

Classic styling meets modern technology in the new Wireless IP67 Stainless Steel Spot/Floodlight.

�96 Day/Night Solar Vent

Part # N20803W   3" White
Part # N20803S   3" Stainless Steel
Part # N20804W   4" White
Part # N20804S   4" Stainless Steel

Threads into included deck plate, and is removable from outside without tools. On/off fan switch, LED lights and intake/exhaust switch accessible from inside the cabin for ease of use.

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SHORE POWER

Inlets

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Marinco® Power Inlets are the industry standard. Offered in three styles, featuring robust construction and corrosion-resistant materials for long life in the harsh marine environment. All inlets have an IP56 rating.

Cordsets

18

All Marinco® cordsets are made of the highest quality, marine grade construction with features you won't find on other power cords.

15A Marine Grade Locking Extension Cords

20

NEW

15 Amp extension cords contain a universal slide locking mechanism to prevent cable disconnection. Available in 25' and 50' lengths.

Cordset Accessories

21

Marinco offers everything you need to manage your shore power equipment.

SHORE POWER

Adapters

22

Marinco® Shore Power Adapters give you more power hook-up flexibility and resolve a variety of dockside power center / boat side inlet power incompatibility problems.

Devices & Accessories

29

Everything you need to maintain and repair your shore power equipment.

Boxes / Covers / Replacement Parts

33

A wide range of receptacle boxes and shore power replacement parts.

International Shore Power

34

Marinco offers inlets, connectors and cordsets for 16 Amp, 32 Amp and 63 Amp Shore Power systems.

Marinco® power inlets and cords have been the industry standard and are designed and built to withstand the rigors of the marine environment.

Marinco® Dockside to Boatside Selection Guide

DOCKSIDE

	Marine Receptacles (pg 29–31) Corrosion resistant reinforced nylon construction.	Weatherproof Covers (pg 33) Yellow LEXAN® polycarbonate with lift lid, for use with Marinco® receptacles.	Male Plugs (pg 29–31) Superior strain-relief system. Dust seal keeps contaminants out of terminals.	Weatherproof Covers (pg 29–32) Heavy duty vinyl construction, use with male plugs for superior seal.
30A 125V 2 Pole 3 Wire Locking	305CRR	7420CR	305CRPN	102N
50A 125V 2 Pole 3-Wire Locking	6370CR	7788CR	6361CRN	7717N
50A 125/250V 2 Pole 4-Wire Locking	6369CR	7788CR	6365CRN	7717N
Cable TV/ Internet		TV97		

Marinco® Color Coding System

15A 125V	20A 125V	30A 125V	50A 125V	50A 125/250V	Cable TV Internet

BOATSIDE

Shore Power Cord Sets	**Weatherproof Covers**	**Female Connectors**	**Power Inlets**
(pg 18–19)	(pg 29–32)	(pg 29–31)	(pg 13–15, 20)
Marine grade cable, watertight molded plug and connector, line-up ridge for easy blade alignment.	Heavy duty vinyl construction, use with female connector for superior seal.	Ribbed nylon construction, color coded terminal pockets and screws.	Styled to complement any boat, Marinco® power inlets are simple to install and feature a protective rear safety enclosure that provides safe, reliable strain relief. IP56 rated.

CS30-50

103ELN

305CRCN

CS503-50

7715CRN

6360CRN

CS504-50

7715CRN

6364CRN

TVHD

PH6629

LEXAN® is a registered trademark of Sabic Innovative Plastics IP B.V., Netherlands

Inlets

Marinco® Power Inlets are the industry standard. Offered in three styles, they all feature robust construction and corrosion-resistant materials for long life in the harsh marine environment. Each has technical features that make them easy to install and a pleasure to use for the marine professional or the casual recreational boater.
All inlets have an IP56 rating.

Stainless Steel

Marinco® stainless steel inlets are solid cast marine grade 316 stainless steel and include a heavy duty cap strap for strength and durability.

Contoured

Marinco® contoured inlets feature UV stabilized glass-filled polyester construction for long-lasting strength.

Standard

Marinco® standard inlets feature UV stabilized glass-filled polyester construction for long-lasting strength.
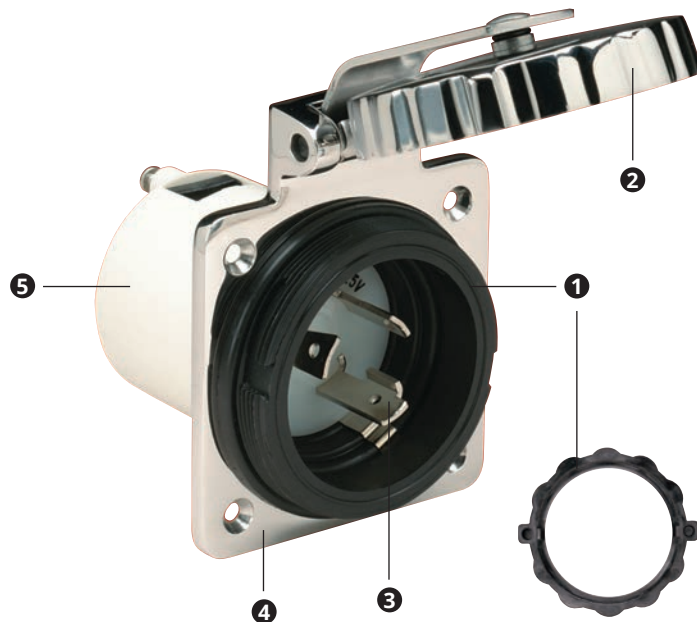
❶ Easy Lock™—Marinco®'s exclusive Easy Lock™ System has been designed to make hook-up quick and easy. Just connect the cordset (with an Easy Lock™ locking ring installed) to the inlet and turn the locking ring less than a quarter turn. The tabs on the locking ring lock into the inlet for a positive watertight hook-up while eliminating any chance of cross threading. The locking ring features lock locators positioned at 180º to improve finger grip during attachment.

Easy Lock™ inlets have a threaded boss that will accept threaded cordsets as well. The Easy Lock™ system is a standard feature on some Marinco® 30 amp and 50 amp inlets and cordsets.

❷ The covers on all Marinco® inlets are designed to stay hinged open when the cover is lifted up. This allows the boater to connect their shore power cord while the cover remains open and out of the way. A soft touch unlocks it for closing.

❸ Blades are nickel plated brass for maximum corrosion resistance.

❹ Interior hardware is marine grade stainless steel.

❺ Rear Enclosure
   • Made of flame-resistant UL94V0 plastic.
   • All rear enclosures are glass-filled polyester for strength.
   • Integral strain relief complies with ABYC requirements.
   • Multiple positions allow for maximum installation flexibility.

30 Amp 125V Inlets

30A 125V

IP56

NEMA L5-30P — W G — 30A 125V Locking

Meets or Exceeds **ABYC** Standards

CSA

MARINE UL LISTED

Stainless Steel Power Inlet
• Cast 316 stainless steel

Part #   303SSEL-B
OEM #   303SSEL-B.OEM

Contour Power Inlet
• Stainless steel trim

Part #   304EL-B
OEM #   304EL-B.OEM

Contour Power Inlet
• Without stainless steel trim

OEM #   304EL-B.NT   white
OEM #   199136   black

Power Inlet
• Stainless steel trim

Part #   301EL-B   white
OEM #   301EL-B.OEM   white
Part #   301ELCB   replacement cap & bezel

black

Power Inlet
• Stainless steel trim

Part #   301EL-B.GRAY   gray
Part #   301EL-B.BLACK   black

Power Inlet
• ABYC shore power warning label on cap

Part #   301EL-B.W/L

Power Inlet
• Stainless steel trim
• Hole in rear enclosure accomodates snap-in strain relief (not included)

Part #   301EL-B.FR

Breaker Inlet
• Includes cap & bezel and breaker plate
• Breaker not included

Part #   3050BI

Stainless Steel Power Outlet
• Female 30A 125V configuration
• NEMA configuration L5-30R

Part #   303SSO

50 Amp 125V Inlets

50A 125V

IP56

NEMA SS1-50P

W 50A 125V Locking G

Meets or Exceeds **ABYC** Standards

CSA

MARINE UL LISTED

Stainless Steel Power Inlet
• Cast 316 stainless steel

Part # 6371EL-B
OEM # 6371EL-B.OEM

Stainless Steel Power Inlet
• Cast 316 stainless steel
• Without rear safety enclosure

Part # 6371EL

Power Inlet
• Stainless steel trim
• Without rear safety enclosure

Part # 6351EL

Power Inlet
• Without stainless steel trim
• ABYC shore power warning label on cap

Part # 6351EL-B

Contour Power Inlet
• Stainless steel trim

Part # 6343EL-B

TECH tip

50A Devices Explained
There are two categories of 50A devices: 50A 125V (50A 3-wire) and 50A 125/250V (50A 4-wire). The 4-wire devices have two "hot" legs, each carrying 50A 125V. These two categories are not interchangeable. A 3-wire plug must never be altered to insert into a 4-wire connector or receptacle.

50A
125/250V

50 Amp 125/250V Inlets

IP56

NEMA SS2-50P

Y · X
G · W

50A 125/250V Locking

Meets or Exceeds ABYC Standards

CSA · UL LISTED · MARINE

Stainless Steel Power Inlet
• Cast 316 stainless steel

Part # 6373EL-B
OEM # 6373EL-B.OEM
Part # 6373EL-B.W/L   w/separate warning label

Stainless Steel Power Inlet
• Cast 316 stainless steel
• Without rear safety enclosure

Part # 6373EL
OEM # 6373EL.OEM

Contour Chrome Power Inlet
• Chrome finish cover

OEM # 6344EL-BCR.OEM

Contour Power Inlet
• Without stainless steel trim

Part # 6344EL-B.NT

Power Inlet
• Stainless steel trim

Part # 6353EL-B
OEM # 6353EL-B.OEM
Part # 6353ELCB   replacement cap & bezel

Power Inlet
• Stainless steel trim
• Black

OEM # 6353EL-B.BLACK.OEM

Power Inlet
• Stainless steel trim
• Gray

Part # 6353EL-B.GRAY

Power Inlet
• Stainless steel trim
• Without rear safety enclosure

Part # 6353EL

ELCI inlets

Marinco®'s solution to the ABYC E-11 requirement is based on our industry-standard marine inlets. We have taken the best available technology and built it into our inlets to provide boat builders and owners with the safest, best looking and most durable solution possible. All of our ELCI Inlets are ignition protected to comply with ABYC standards.

We provide two modules in addition to the standard inlet. One houses the ELCI Marine Sensing Module, the other the breaker. Unlike competing systems, our ELCI Marine sensing module has a 3/4" diameter coil that accepts up to three 6 gauge conductors. This sensing module, which also incorporates a test circuit, is compatible with 30A 125V, 50A 125V and 50A 125/250V systems. There is a different breaker for 30A and 50A systems.

TECH tip™

ELCI ABYC Standards

Electrical current leakage is a serious safety concern for any boat connected to shore power. Because of this ABYC requirements now include specific measures for avoiding this danger. ABYC E-11.11.1 states "An Equipment Leakage Circuit Interrupter (ELCI) shall be installed with or in addition to the main shore power disconnect circuit breaker(s) or at the additional overcurrent protection as required by E-11.10.2.8.3 whichever is closer to the shore power connection.

Single Phase 120V AC 30A (Hot, Neutral, Ground)

NORTH SHORE SAFETY PART # PGFM-111-B-A1-188
120V AC ELCI SENSING MODULE

CURRENT CARRYING LEADS MUST BE TWISTED AS THEY PASS THROUGH THE COIL

SENSATA 30 AMP ELCI BREAKER
LOAD
ORANGE JUMPER SHUNT
NO
C
LINE

H
N

WHITE
BLACK
YELLOW (SHUNT)

GROUNDING WIRE
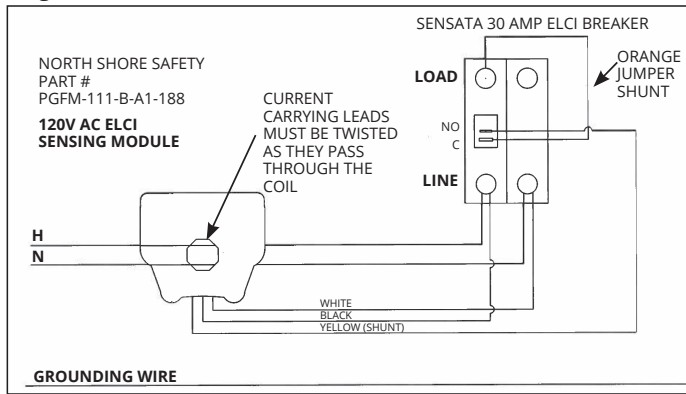
Split Phase 120/240V AC 50A (Line 1, Line 2, Neutral, Ground)

NORTH SHORE SAFETY PART # PGFM-111-B-A1-188
120V AC ELCI SENSING MODULE

CURRENT CARRYING LEADS MUST BE TWISTED AS THEY PASS THROUGH THE COIL

SENSATA 50 AMP ELCI BREAKER
LOAD
ORANGE JUMPER SHUNT
NO
C
LINE

L1 (BLACK)
L2
N

PANEL BOARD

BLACK
YELLOW (SHUNT)
WHITE

GROUNDING WIRE
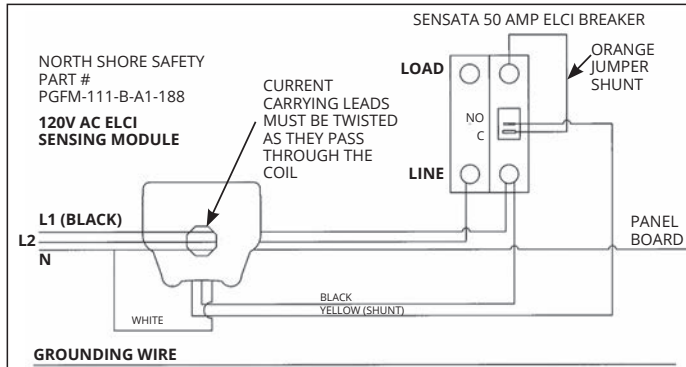
Standard Sensing Breaker & Module Kits

• Module & breaker packaged together

30A	120V AC Single Phase	OEM #	301RCDKITIGN.OEM
50A	120/240V AC Split Phase	OEM #	6353RCDKITIGN.OEM

Stainless Steel Housing for Sensing Modules

• Cast 316 stainless steel

OEM #   303SSRCDPL.OEM

Stainless Steel Housing for 30A or 50A Sensing Breakers

• Cast 316 stainless steel

OEM #   303SSBKRPL.OEM

Standard Housing for Sensing Modules

OEM #   301RCDPL.OEM

Standard Housing for 30A or 50A Sensing Breakers

OEM #   301BKRPL.OEM

Cable TV / Internet

Stainless Steel
Phone & Cable TV Inlet
• Cast 316 stainless steel

Part #   **PH6592TV-SS**
OEM #   **PH6592TV-SS.OEM**

Phone & Cable TV Inlet
• Stainless steel trim

Part #   **PH6574TV**
Part #   **PH6574TV.W/L**   w/ warning label

Stainless Steel
Cable TV / Internet Inlet
• Cast 316 stainless steel

Part #   **TV6592**
OEM #   **TV6592.OEM**

Cable TV / Internet Inlet
Part #   **TV6574**

Contour Cable TV /
Internet Inlet
Part #   **TV6444**

Female Phone Plug
• MARINEGUARD II Cover

Part #   **PH6629**

Telephone Adapter
• Use to hook up telephone to cordset
  PH6599. No inlet installation required.

Part #   **PH6600**

Telephone Adapter
• Use to hook up a locking type inlet
  to a modular telephone connection

Part #   **PH6601**

EEL ShorePower Cordsets

One Hand. A simple twist. Full Power.

The EEL (Easily Engaged Lock) ShorePower Cordset has a patented, industry first, jaw-clamp design providing one-handed operation and a secure waterproof seal which completely eliminates the need for a locking ring. The EEL connection is built for the harshest environments and is UL approved. This easy-to-use cordset features a built-in cord light which serves as an alert to boaters when the cord is left plugged in. And, best of all, it works with your current inlet. In addition to cordsets with the EEL System, Marinco® also has a full set of Pigtail and Y adapters all using the new EEL technology.

Patented EEL Technology:

- Designed for use with standard inlets (NEMA)
- Single-handed operation
- No sealing ring required
- Patented jaw-clamp technology provides a watertight seal every time

Features & Benefits:

- Built-in cord light for added safety – alert light indicates if you are plugged into the dock and cord is powered
- Power indicator light on both ends informs you full power is flowing through the cord
- Meets and exceeds rigorous UL testing standards
- 30 Amp and 50 Amp cordset models, 12', 25' and 50' lengths in white and yellow available
- EEL product line includes connectors, pigtail, straight and "Y" adapters

5 YEAR WARRANTY

Length	Color	Part #
30 Amp 125V Cordsets		
12'	yellow	CS30-12
25'	yellow	CS30-25
50'	yellow	CS30-50
50'	white	CS30-50W
50 Amp 125V Cordsets		
25'	yellow	CS503-25
50'	yellow	CS503-50
50 Amp 125/250V Cordsets		
25'	yellow	CS504-25
50'	yellow	CS504-50
50'	white	CS504-50W

NEMA L5-30R
W
G
30A 125V Locking

NEMA SS1-50R
W
G
50A 125V Locking

NEMA SS2-50R
X Y
W
G
50A 125/250V Locking

Amp	Volts	Plug	Connector
30A	125V AC	L5-30P	L5-30R
50A	125V AC	SS1-50P	SS1-50R
50A	125/250V AC	SS2-50P	SS2-50R

CS30-50

CS504-50W

TECH tip

Blade Function Letter Codes

G	Ground	**X**	Phase 1 Hot
W	Neutral	**Y**	Phase 2 Hot

Power Cord Plus® Cordsets

All Marinco® cordsets are made of the highest quality, marine grade construction with features you won't find on other power cords.

❶ Watertight molded plug and connector for safety and durability

❷ Heavy duty, super flexible marine grade cable (30 amp 10 gauge, 50 amp 6 gauge)

❸ All models include a standard threaded ring for hook-up to ordinary threaded inlets

❹ Corrosion resistant, nickel plated contacts

❺ Power Indicator Light: Boatside connector features a molded-in LED light. When it glows red, you know you have power to the boat.

❻ Contour Grip with Thumbprint Locator: Both plug and connector ends are molded to fit the contour of your hand. When the thumbprint is in the 12 o'clock position, the blades line up for easy connection.

❼ Marinco's Easy Lock™ system: Quickly locks the cord set to the inlet in just 1/8 of a turn. The exclusive locking tabs engage slots built into all Marinco inlets (sold separately).

199119

❼ Easy Lock™ system

Easy Lock™ tab slots

Exclusive locking tabs

NEW

6152SPPG

6153SPPW

UV RESISTANT · MORE FLEXIBLE · LIGHTER · 5 YEAR WARRANTY · CSA® · MARINE UL LISTED
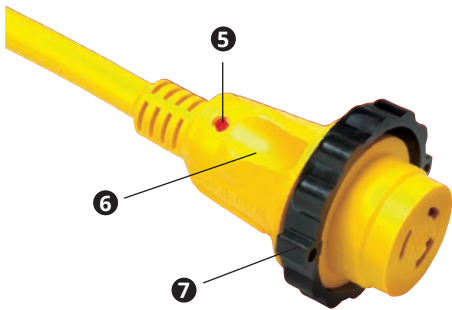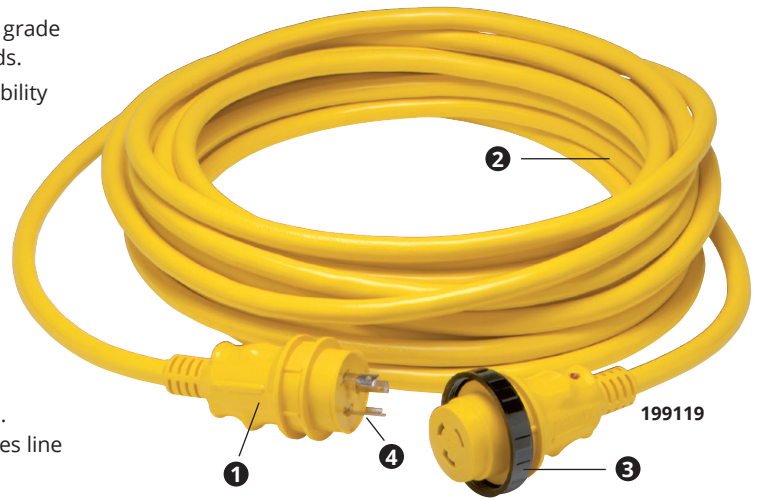
NEW *Now availabe in gray*

	Length	Color	Pkg	Part #	OEM #
NEMA L5-30R W G 30A 125V Locking	**30 Amp Power Cord Plus® Cordsets**				
	12 ft	yellow	sleeve pack	**199116**	—
	25 ft	yellow	sleeve pack	**199117**	—
	25 ft	white	sleeve pack	**25SPPW**	—
	25 ft	gray	sleeve pack	**199117G** NEW	—
	35 ft	yellow	sleeve pack	**35SPP**	—
	50 ft	yellow	sleeve pack	**199119**	**50SPP.OEM**
	50 ft	white	sleeve pack	**199120**	**50SPPW.OEM**
	50 ft	gray	sleeve pack	**199119G** NEW	—
	75 ft	yellow	box	—	**75SPP.OEM**
NEMA SS1-50R W G 50A 125V Locking	**50 Amp 125 Volt Power Cord Plus® Cordsets (3-Wire)**				
	25 ft	yellow	box	**6153SPP-25**	—
	50 ft	yellow	box	**6153SPP**	—
	50 ft	white	box	**6153SPPW**	—
	75 ft	yellow	box	**6153SPP-75**	—
NEMA SS2-50R X Y W G 50A 125/250V Locking	**50 Amp 125/250 Volt PowerCord Plus® Cordsets (4-Wire)**				
	12 ft	yellow	box	**6152SPP-12SC**	—
	25 ft	yellow	box	**6152SPP-25**	—
	25 ft	white	box	**6152SPPW-25**	—
	25 ft	gray	box	**6152SPPG-25** NEW	—
	50 ft	yellow	box	**6152SPP**	—
	50 ft	white	box	**6152SPPW**	—
	50 ft	gray	box	**6152SPPG** NEW	—
	75 ft	yellow	box	**6152SPP-75**	—
	50 Amp Plug End Only Cordsets				
	55 ft	white	box	**6152SPPW-55.P/O**	—
	75 ft	white	box	**6152SPPW-75.P/O**	—

15A Marine Grade Locking Extension Cords NEW

- Clear ends with lighted female end for visual power indication
- 14/3 marine grade SJTOW cable
- Female end contains slide button lock for protection against cable disconnection
- Slide button lock compatible with all other manufacturers' products
- ETL certified to UL standards

Length	Description	Part #
25'	14/3 15A Locking Extension Cord	**150025**
50'	14/3 15A Locking Extension Cord	**150050**
25'	14/3 15A Lighted Extension Cord	**150025NL**
50'	14/3 15A Lighted Extension Cord	**150050NL**

Cable TV Internet

Cable TV/Internet

HDTV / Internet Cable

- 50 ft yellow cable
- 75 ohm, 3G Hz RG6 Quad Shield cable with gasket sealed
- Weatherproof F-type connections on both ends

Part #   TVHD

Combo TV/Phone Cordset

- Both cables are jacketed together
- Telephone and TV connections are molded on each end
- Features 18" of spliced cable at dockside for connections which are in separate power centers

Part #   PHTV6599 50'

Telephone Cordset

- 3 conductor 16 AWG SJTO vinyl cord provides portable telephone connection for RV's and pleasure boats

Part #   PH6599   50'

TV Cable Cordset

- Standard 75 ohm, RG59-U with quick, slip-on connections and heavy duty boots included on both ends

Part #   TV99-25   25' yellow
Part #   TV99W   50' white

Cable TV Outlet

- Spring-loaded lift cover
- Weatherproof closure
- Fits FS & FD boxes

Part #   TV97
OEM #   TV97.OEM

Telephone & Cable TV Outlet

- Spring-loaded lift cover
- Fits FS & FD boxes

Part #   PH6597TV
OEM #   PH6597TV.OEM

Cordset Accessories

Cord Clips

- Includes 6 cord clips with stainless steel mounting screws
- Keeps shore power cable out of the water
- Holds 10 gauge 30A cable
- Easy to install
- Use on deck or edge of dock
- Organize shore power cable

Part #   CLIP
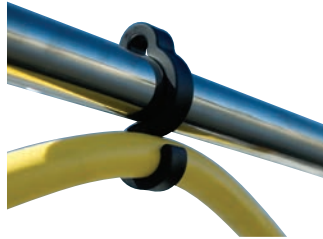
Railmount Cord Clips

- For 30A cords
- Organize shore power cords quickly and easily
- Can be used on tube or wire rails
- Packaged as set of 6 clips
- UV stable
- Practically unbreakable

Part #   CLIP-01   black

Organizer Bag

- Heavy duty nylon zippered bag with handle
- Ideal for storing cordsets and adapters
- Dimensions 20" x 15" x 8"

Part #   BAG

Cord Cover

- Keep shore power cables neat and bundled
- Holds 50A or 30A cordsets, can hold multiple cables
- UV resistant, machine washable marine grade fabric
- 24 ft

Part #   CCVR-24   black

Carrying Strap

Bundle and organize your shore power cables or hoses with this durable and flexible nylon carrying strap. Its adjustable design fits around cordsets or hoses up to 9" in diameter while, the ergonomic, rubber handle makes carrying even larger 50 amp cord sets easy on your hand. A metal, reinforced grommet allows for hanging and storage.

Part #   STRAP

Adapters

The Marinco® Shore Power Adapters give you more power hook-up flexibility and resolve a variety of dockside power center / boat side inlet power incompatibility problems.

TECH tip™

Choosing the Correct Adapter

Step 1: Boat Side – Identify your boat's Inlet Electrical System

The voltage and amperage should be printed on the outside cover of your existing boat inlet(s)

The voltage and amperage should be printed inside the boat Inlet(s) next to the blades

30A 125V

Check the blade orientation of the various inlets pictured and compare to your boat inlet(s)

Pay special attention to the differences in the 50A 125V and the 50A 125/250V. The blades look similar, but they are different The plugs and receptacles for these systems are NOT interchangeable!!

50A 125V

50A 125/250V

Notice the additional grounding blade on the 50A 125/250V inlets.

IMPORTANT 50 AMP INFORMATION:
If you are connecting to 50A dockside power service, it is CRITICAL to know the dockside receptacle's voltage rating (50A 125V or 50A 125/250V). An adapter designed for 50A 125V will not plug into a dockside receptacle rated for 50A 125/250V service, and vice versa.

Step 2: Identify the Dock Side Power Source

NEMA L5-20R 20A 125V Locking

NEMA L5-30R 30A 125V Locking

NEMA L5-15R 15A 125V Straight Blade

NEMA SS1-50R 50A 125V Locking

NEMA SS2-50R 50A 125/250V Locking

Step 3: Choose a Marinco® Adapter from page 23–28

Match your boat side inlet(s) to the appropriate dock side receptacle or other power source. Adapter ends are color coded for easier selection.

Types of Adapters

Straight Adapters are high-quality, one-piece adapters similar in usage to Pigtail Adapters. However, they do not have sealing collars and are not recommended for use in wet locations. Use only in an enclosed, dry location, such as powering your boat from a 15A power receptacle inside your house.
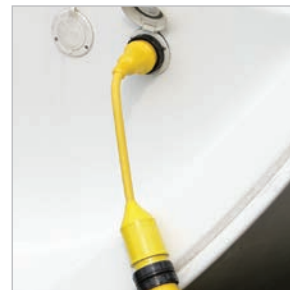
Pigtail Adapters* allow you to connect from one dockside receptacle (or other power source receptacle) to one boatside inlet or equipment of dissimilar power configuration. These adapters are fully molded and equipped with Marinco®'s unique sealing collar (where indicated) and covers for use in wet locations.

"Y" Adapters* let you split one dock side receptacle between two boat inlets of similar or dissimilar power configurations. "Y" adapters are fully molded and equipped with Marinco®'s unique sealing collar and covers (where indicated) for use in wet locations.

The Reverse "Y" Adapter (Part # RY504-2-30) The reverse "Y" provides 50A 125/250V power when only two 30A 125V receptacles are available.

*Available with standard locking rings or with the new EEL quick locking system

Straight Adapters ⓒⓢⓐ

Not recommended for use in wet locations.
Includes power LED.

Part #
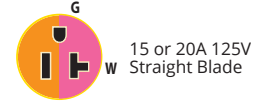
<table>
<tr><th></th><th></th><th style="background:#e8312a;color:white">DOCK SIDE</th><th style="background:#000;color:white">BOAT SIDE</th></tr>
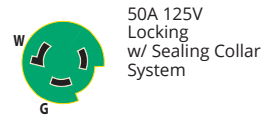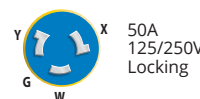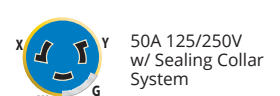<tr><td></td><td></td><td>**MALE PLUG**
Attaches to dockside
receptacle or cordset</td><td>**FEMALE CONNECTOR**
Attaches to boat inlet
or cordset</td></tr>
<tr><td>**S20-15**
Replaces the 80A.</td><td></td><td>W G 20A 125V Locking</td><td>G W 15 or 20A 125V Straight Blade</td></tr>
<tr><td>**S30-15**
Replaces the 81A.</td><td></td><td>W G 30A 125V Locking</td><td>G W 15 or 20A 125V Straight Blade</td></tr>
<tr><td>**S15-30**
Replaces the 83A.</td><td></td><td>G W 15A 125V Straight Blade</td><td>W G 30A 125V Locking</td></tr>
<tr><td>**S20-30**
Replaces the 84A.</td><td></td><td>W G 20A 125V Locking</td><td>W G 30A 125V Locking</td></tr>
<tr><td>**S15-504**</td><td></td><td>G W 15A 125V Straight Blade</td><td>X Y W G 50A 125/250V Locking w/ Sealing Collar System</td></tr>
</table>

EEL Pigtail Adapters (CSA)

These adapters are equipped with sealing collars and are for use in wet locations.

Part #
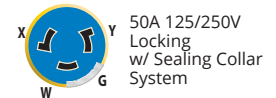
	DOCK SIDE	BOAT SIDE
	MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset

P15-30
25 ft
P15-30-25
25 ft white
P15-30-25W

- Dock side: 15A 125V Straight Blade w/ Locking Screw
- Boat side: 30A 125V Locking w/ Sealing Collar System

P30-15

- Dock side: 30A 125V Locking
- Boat side: 15A 125V Straight Blade

P503-30

- Dock side: 50A 125V Locking
- Boat side: 30A 125V Locking w/ Sealing Collar System

P30-503

- Dock side: 30A 125V Locking
- Boat side: 50A 125V Locking w/ Sealing Collar System

P504-30

- Dock side: 50A 125/250V Locking
- Boat side: 30A 125V Locking w/ Sealing Collar System

P30-504

- Dock side: 30A 125V Locking
- Boat side: 50A 125/250V Locking w/ Sealing Collar System

P504-503

- Dock side: 50A 125/250V Locking
- Boat side: 50A 125V Locking w/ Sealing Collar System

Pigtail Adapters (CSA)

These adapters are equipped with covers and sealing collars (where indicated), and are for use in wet locations.

Part #

Features an LED Power-on indicator and thumbgrip locator

104SPP

104SPP.OEM

104SPP-25.OEM
25 ft

104SPP-50.OEM
50 ft

Features a power-on indicator and thumbgrip locator

105SPP

106A

110A

111A

150SPP **NEW**

115A

117A

DOCK SIDE	BOAT SIDE
15A 125V Straight Blade w/ Locking Screw	30A 125V Locking w/ Sealing Collar System
30A 125V Locking	15A 125V Straight Blade
20A 125V Locking	30A 125V Locking w/ Sealing Collar System
50A 125V Locking	30A 125V Locking w/ Sealing Collar System
30A 125V Locking	50A 125V Locking w/ Sealing Collar System
15 125V Straight Blade w/ Locking Screw	50A 125/250V Locking w/ Sealing Collar System
15 125V Straight Blade w/ Locking Screw	50A 125V Locking w/ Sealing Collar System
30A 125V Locking	50A 125/250V Locking w/ Sealing Collar System

Pigtail Adapters (CSA)

DOCK SIDE	BOAT SIDE
MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset

Part #		DOCK SIDE	BOAT SIDE
118A		50A 125V Locking	50A 125/250V Locking w/ Sealing Collar System
121A		50A 125/250V Locking	30A 125V Locking w/ Sealing Collar System
123A		50A 125/250V Locking	50A 125V Locking w/ Sealing Collar System

EEL "Y" Adapters (CSA)

These adapters are equipped with sealing collars and are for use in wet locations.

DOCK SIDE	BOAT SIDE
MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset

Part #		DOCK SIDE	BOAT SIDE
Y503-2-30		50A 125V Locking	2–30A 125V Locking w/ Sealing Collar System
Y504-2-30		50A 125/250V Locking	2–30A 125V Locking w/ Sealing Collar System
Y504-2-503		50A 125/250V Locking	2–50A 125V Locking w/ Sealing Collar System
Y30-2-30		30A 125V Locking	2–30A 125V Locking w/ Sealing Collar System
Y504-2-504		50A 125/250V Locking	2–50A 125/250V Locking w/ Sealing Collar System

"Y" Adapters [CSA logo]

These adapters are equipped with covers and sealing collars (where indicated), and are for use in wet locations.

Part #

		DOCK SIDE	BOAT SIDE
		MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset
152AY	[image]	50A 125V Locking	2–30A 125V Locking w/ Sealing Collar System
153AY	[image]	50A 125/250V Locking	2–30A 125V Locking w/ Sealing Collar System
154AY	[image]	50A 125/250V Locking	2–50A 125V Locking w/ Sealing Collar System
157AY	[image]	30A 125V Locking	2–30A 125V Locking w/ Sealing Collar System
162AY	[image]	50A 125V Locking	2–50A 125V Locking w/ Sealing Collar System
165AY	[image]	50A 125/250V Locking	2–50A 125/250V Locking w/ Sealing Collar System

Reverse "Y" Adapter

Part #

		DOCK SIDE	BOAT SIDE
		MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset
RY504-2-30	[image]	2–30A 125V Locking	50A 125/250V w/ Sealing Collar System

The Reverse "Y" Adapter has two male plugs with special power isolation circuitry for added safety. When one plug is connected to a receptacle, the circuitry isolates the second plug. The reverse "Y" provides 50A 125/250V power when only two 30A 125V receptacles are available.

Note: Reverse "Y" will NOT work with 50A, 125V, 3-wire inlets. Power is provided in both circuits to the 4-wire inlet, but the dock side receptacles limit the current in each circuit to 30A. The two 30A 125V receptacles must be supplied from a single power source providing 208V to 250V between them for proper operation.

Right Angle Adapters

Part #	
1RPC (30 amp)	
1RPC50 (50 amp)	

DOCK SIDE	**BOAT SIDE**
MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset
30A 125V Locking	30A 125V Locking w/ Sealing Collar System
50A 125/250V Locking	50A 125/250V Locking w/ Sealing Collar System
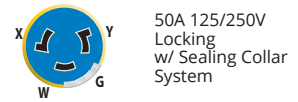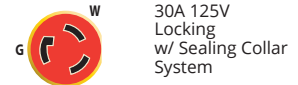
Dockside 30A to 15A Adapter with GFCI

Part #	
199128	

DOCK SIDE	**BOAT SIDE**
MALE PLUG Attaches to dockside receptacle or cordset	**FEMALE CONNECTOR** Attaches to boat inlet or cordset
30A 125V Locking	3–15A 125V Straight Blade

- Provides safer hook-up to 30A dockside power
- Provides protection against harmful electric shock
- Reduces the possibility of fire
- Offers protection for up to 3 attached tools
- Corrosion resistant and rain-proof rated for outdoor use
- GFI trip level of 4–6 mA
- Can also be used for other outdoor, harsh environments such as construction sites or wherever ground fault protection is desired
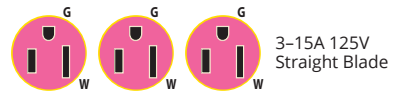
Note: A Ground Fault Circuit Interrupter (GFCI) limits the duration of an electrical shock to a period considered safe for healthy people. It does not prevent electric shock. This device does not protect against electric shock due to contact with both circuit conductors or a fault in any wiring supplying this device.

Related Products

Sealing Rings
page 29–30

TECH tip™

GFCI Protection

According to ABYC standard E-11.11. A Ground Fault Circuit Interupter (GFCI) may be used on single phase AC circuits to provide additional protection for personnel and equipment.

30A
125V

30 Amp 125V Devices & Accessories

Male Plug
Part #   305CRPN
OEM #   305CRPN.OEM

Female Connector
Part #   305CRCN
OEM #   305CRCN.OEM

Male Plug & Cover
• Weather resistant cover

Part #   305CRPN.VPK

Female Connector w/ Cover
• Weather resistant cover

Part #   305CRCN.VPK

Locking Receptacle
• Corrosion resistant
• Reinforced nylon construction
• Yellow

Part #   305CRR

Locking Receptacle
• Corrosion resistant
• Reinforced nylon construction
• Black

Part #   305CRRB
OEM #   305CRRB.OEM

Weatherproof Cover w/ Threaded Sealing Ring
• Use with 305CRCN or 205CRCN

Part #   103RN
OEM #   103RN.OEM

Weatherproof Cover w/ Easy Lock™ Sealing Ring
• Use with 305CRCN or 205CRCN

Part #   103ELN

Weatherproof Cover
• Use with 305CRPN or 205CRPN

Part #   102N

Easy Lock™ Sealing Ring
• Use with 30 amp Marinco® Inlets

Part #   100EL

Threaded Sealing Ring
• Use with 30 amp systems

Part #   100R

Sealing Collar w/ Threaded Ring
• Provides maximum moisture protection between cordset & adapter
• Use with 20 & 30 amp locking systems

Part #   110R

50A 125V | 50 Amp 125V Devices & Accessories

Male Plug
- 2 pole, 3 wire

Part # 6361CRN

Female Connector
- 2 pole, 3 wire

Part # 6360CRN
OEM # 6360CRN.OEM

Wire Dockside Receptacle
- 2 pole, 3 wire

Part # 6370CR

50A 125/250V | 50 Amp 125/250V Devices & Accessories

Male Plug
- 3 pole, 4 wire

Part # 6365CRN
OEM # 6365CRN.OEM

Female Connector
- 3 pole, 4 wire

Part # 6364CRN
OEM # 6364CRN.OEM

Wire Dockside Receptacle
- 3 pole, 4 wire

Part # 6369CR
OEM # 6369CR.OEM
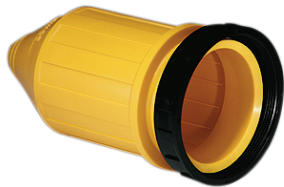
Weatherproof Cover w/ Threaded Sealing Ring
- Use with 6360CRN or 6364CRN

Part # 7715CRN
OEM # 7715CRN.OEM

Weatherproof Cover w/ Easy Lock™ Sealing Ring
- Use with 6360CRN or 6364CRN

Part # 7715ELN
OEM # 7715ELN.OEM

Weatherproof Cover
- Use with 6361CRN or 6365CRN
- Can be used on both male & female ends

Part # 7717N   yellow
OEM # 7717N.OEM   yellow
Part # 102182   white

Easy Lock™ Sealing Ring
- Use with 50 amp Marinco® Inlets

Part # 500EL

Threaded Locking Sealing Ring
- Use with 50 amp systems

Part # 500R

Sealing Collar w/ Threaded Ring
- Provides maximum moisture protection between cordset & adapter
- Use with 50 amp only systems

Part # 510R

15 Amp 125V Devices & Accessories

15A
125V

Male Plug
• Straight blade

Part #   **5266CR**

Female Connector
• Straight blade

Part #   **5269CR**

Male Plug
• Locking type

Part #   **4721CR**

Female Connector
• Locking type

Part #   **4731CR**

Duplex Locking Receptacle
• Yellow

Part #   **4700CR**

Duplex Straight Receptacle

Part #   **5262CRR**   yellow
Part #   **5262CRR.GRY**   gray

20 Amp 125V Devices & Accessories

20A
125V

Male Plug
• Straight blade

Part #   **5366CR**
OEM #   **5366CR.OEM**

Female Connector
• Straight blade

Part #   **5369CR**
OEM #   **5369CR.OEM**

Male Plug
• Locking type
• Uses weatherproof cover 102N

Part #   **205CRPN**

Female Connector
• Locking type
• Uses weatherproof cover 103RN

Part #   **205CRCN**

Locking Receptacle

Part #   **205CRR**

15 & 20 Amp Devices & Accessories

Weatherproof Cover
• Use with 5366CR or 5266CR plugs

Part #   6017Y

Weatherproof Cover
• Use with 5369CR or 5269CR connectors

Part #   6018Y

Weatherproof Cover
• Can be used on 15 & 20 amp

OEM #   1520BI.OEM

Universal Watertight Connector Cap
• For use on 16 or 32 amp products for CE compliance
• For use on 30 or 50 amp products to protect the connector when not in use

Part #   199111PK   16A/30A/32A/50A/63A

Watertight Connector Cap
• For use on 16 or 32 amp products for CE compliance
• For use on 30 or 50 amp products to protect the connector when not in use

Part #   199109PK   16A/30A
Part #   199110PK   32A/50A

15A
125V

Ground Fault Circuit Interrupter (GFCI)

CAUTION: Ground Fault Circuit Interrupter protection is required when using electrical products outdoors or near water. GFCI Protection is required by the ABYC where a receptacle is in a head, galley, machinery space or weather deck.

Part #   1591-FI   ivory
Part #   1591-FI.WHITE   white
OEM #   1591-FI.GRY.OEM   gray

Boxes / Covers / Replacement Parts

FS Box

- Black non-metallic, with two 3/4" K.O. holes
- Accepts 15A, 20A and 30A receptacles, and 7420CR weatherproof covers

Part #   6080

FD Box with 3/4" or 1" K.O. Holes

- Yellow fiberglass, with two K.O. holes
- Accepts 15A, 20A, 30A & 50A receptacles, and 7420CR & 7788CR covers

Part #   6083CR   3/4" holes
Part #   6084CR   1" holes

Weatherproof Cover

- Yellow LEXAN® polycarbonate with lift lid
- Fits 15A, 20A, & 30A single receptacles

Part #   7420CR
OEM #   7420CR.OEM

Weatherproof Cover

- Yellow LEXAN® polycarbonate with lift lid
- Fits 50A receptacles 6369CR & 6370CR

Part #   7788CR

Plastic Switch/ Outlet Box

- 3-9/32" x 2-3/16" x 2-1/2" D
- Can be secured against the back of wall or wall facing
- Accepts 15A, 20A & 30A receptacles, telephone outlets and TV coax connectors

Part #   6079

302 Stainless Steel Sealed Cover with Lift Lid

- Fits 4700CR, 5262CRR, & 5739CR duplex receptacles

Part #   7879CR

302 Stainless Steel Sealed Cover with Lift Lid

- Fits GFCI duplex receptacles

Part #   7879CR-FI
OEM #   7879CR-FI.OEM

Replacement Interior

- Fits 50A 125/250V Easy Lock 4-wire stainless steel or standard inlets manufactured after 8-1-93

Part #   6373ELMB

Replacement Interior

- Fits 303SSEL-B, 303SSI-B & 301EL-B boat inlets

Part #   305CRMB

Replacement Interior

- Fits 30A standard non-metallic inlets manufactured prior to 1/1/91

Part #   301CRMB

Replacement Boss Ring

- For use on 30A or 50A stainless steel inlets

Part #   102167   30A
Part #   102164   50A

Warning Labels

- For use on standard inlets
- For warning label placement use per ABYC standard 11.6.2.2.3

Part #   101739

LEXAN® is a registered trademark of Sabic Innovative Plastics IP B.V., Netherlands

International Shore Power
16 Amp 230V, 50Hz Locking
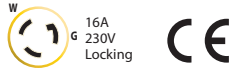
16A 230V Locking — W, G CE

Stainless Steel Inlet
- 316 stainless steel
- Easy Lock™ system
- Soft touch cap design
- Rear safety enclosure with strain relief
- IP56 rated

Part # **303SSEL-BXPK**
OEM # **303SSEL-BX**

Standard Inlet
- Easy Lock™ system
- Glass-filled polyester
- Watertight
- Rear safety enclosure with strain relief
- IP56 rated

Part # **301EL-BXPK**
OEM # **301EL-BX**

Contour Inlet
- Easy Lock™ system
- Glass-filled polyester
- Watertight
- Rear safety enclosure with strain relief
- IP56 rated

OEM # **304EL-BX.NT**
OEM # **304EL-BX**   stainless steel trim

Female Connector
- Corrosion resistant contacts and terminals
- Use with cover 103RN and cap 199109

Part # **305CRCXNPK**
OEM # **305CRCXN**

Weatherproof Cover w/ Threaded Ring
- Use with 305CRCXN

Part # **103RNXPK**
OEM # **103RNX**

Connector Kit
- Includes female connector, weatherproof cover with threaded ring and watertight cap

Part # **199114**

Locking Shore Power Cordset
- H07BQ-F 3G 2.50 mm² harmonized cable
- IEC 60309 plug 2P+E [6H], 250V/50Hz
- Watertight connector sealing cap for CE compliance
- NEMA L5-30 moulded connector with LED power indicator light

Part #		
Part #	**25MSPPXP**	25 meters
Part #	**20MSPPXP**	20 meters
Part #	**15MSPPXP**	15 meters
Part #	**10MSPPXP**	10 meters
Part #	**1MSPPXP**	1 meters

Harmonized Cable Cordset
- Blunt cut
- H07BQ-F 3G 2.50 mm² harmonized cable
- Watertight connector sealing cap for CE compliance
- NEMA L5-30 moulded connector with LED power indicator light

Part #		
Part #	**25MSPPX**	25 meters
Part #	**20MSPPX**	20 meters
Part #	**15MSPPX**	15 meters
Part #	**10MSPPX**	10 meters
Part #	**1MSPPX**	1 meters

12/3 Cable Cordset
- Blunt cut
- 12/3 (3.3 mm²) cable 16A/220V 50Hz
- Watertight connector sealing cap for CE compliance
- NEMA L5-30 moulded connector with LED power indicator light

Part #		
Part #	**50SPPX**	50 ft
Part #	**25SPPX**	25 ft

International Shore Power
32 Amp 230V, 50Hz Locking
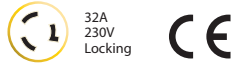
32A
230V
Locking

CE

Stainless Steel Inlet
- 316 stainless steel
- Easy Lock™ system
- Soft Touch cap design
- Rear safety enclosure with strain relief
- No rear safety enclosure
- IP56 rated

Part #   6371EL-BX
OEM #   6371ELX

Standard Inlet
- Easy Lock™ system
- Glass-filled polyester
- Watertight
- Rear safety enclosure with strain relief
- IP56 rated

OEM #   6351EL-BX

Contour Inlet
- Easy Lock™ system
- Glass-filled polyester
- Watertight
- Rear safety enclosure with strain relief
- IP56 rated

OEM #   6343EL-BX

Female Connector
- Corrosion resistant contacts and terminals
- Use with cover 7715CRN and sealing cap 199110

Part #   6360CRNXPK
OEM #   6360CRNX
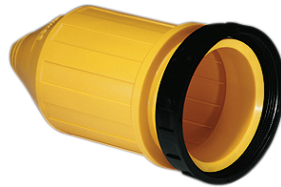
Weatherproof Cover w/ Threaded Ring
- Use with 6360CRNX, 6401CRCX, 6401CRPX, 6402CRCX, or 6402CRPX

Part #   7715CRNXPK
OEM #   7715CRNX

Connector Kit
- Includes female connector, weatherproof cover with treaded ring and watertight cap

Part #   199115

Locking Shore Power Cordset
- H07BQ-F 3G 4 mm^2 harmonized cable
- IEC 60309 plug 2P+E [6H], 250V/50Hz
- Watertight connector sealing cap for CE compliance
- NEMA SS-1 moulded connector with LED power indicator light

Part #   15M32AXP   15 meters
Part #   1M32AXP   1 meter

Harmonized Cable Cordset
- Blunt cut
- H07BQ-F 3G 4 mm^2 harmonized cable
- Watertight connector sealing cap for CE compliance
- NEMA SS-1 moulded connector with LED power indicator light

Part #   15M32AX   15 meters

8/3 Cable Cordset
- Male end blunt cut
- 8/3 (8.6 mm^2) cable
- Moulded connector with LED power indicator light

Part #   6153SPPX   50 ft

International Shore Power
63 Amp 230V, 50Hz Locking
Single Phase, 3 Wire

X · Y · G — 63A 230V Locking — CE

Stainless Steel Inlet
- 316 stainless steel
- Easy Lock™ System
- Soft touch cap design
- Rear safety enclosure with strain relief
- IP56 rated

Part #   **6401EL-BX**

Female Connector
- Corrosion resistant contacts and terminals

Part #   **6401CRCX**

Male Connector
- Corrosion resistant contacts and terminals

Part #   **6401CRPX**

63 Amp 230V, 50Hz Locking
Three Phase, 4 Wire

N · GR — 63A 230V Locking — CE

Stainless Steel Inlet
- 316 Stainless steel
- Easy Lock™ system
- Soft touch cap design
- Rear safety enclosure with strain relief
- IP56 rated

Part #   **6402EL-BX**

Female Connector
- Corrosion resistant contacts and terminals

Part #   **6402CRCX**

Male Connector
- Corrosion resistant contacts and terminals

Part #   **6402CRPX**

Weatherproof Cover w/ Threaded Ring
- Use with 6360CRNX, 6401CRCX, 6401CRPX, 6402CRCX, or 6402CRPX

Part #   **7715CRNXPK**
OEM #   **7715CRNX**

100 Amp 125/250V 3 Pole 4-Wire

C(UL)US LISTED
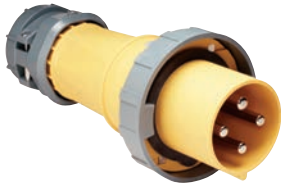
Plug w/ Gasketed Locking Ring
• Mate with M4100R12 receptacle

Part #   **M4100P12**

Connector Body
• Mate with plug on extension cords or adapters. Note: It does not mate with shore power inlet.

Part #   **M4100C12**
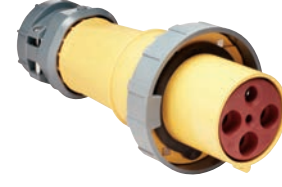
Connector Body w/ Gasketed Locking Ring
• Mate with M4100B12R inlet

Part #   **M4100C12R**

Dockside Receptacle
• Spring loaded cover providing a IP67 watertight rating when tightened

Part #   **M4100R12**

Shore Power Inlet
• Spring loaded cover providing a IP67 watertight rating when tightened

Part #   **M4100B12R**

100 Amp 3ØY 120V/208V 4 Pole 5-Wire

C(UL)US LISTED

Plug w/ Gasketed Locking Ring
• Mate with M5100R9 receptacle

Part #   **M5100P9**

Connector Body
• Mate with plug on extension cords or adapters. Note: It does not mate with shore power inlet.

Part #   **M5100C9**
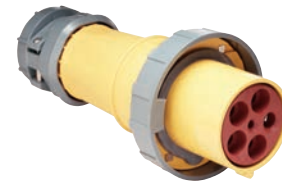
Connector Body w/ Gasketed Locking Ring
• Mate with M5100B9R inlet

Part #   **M5100C9R**

Dockside Receptacle
• Spring loaded cover providing a IP67 watertight rating when tightened

Part #   **M5100R9**

Shore Power Inlet
• Spring loaded cover providing a IP67 watertight rating when tightened

Part #   **M5100B9R**

DC POWER CONNECTIONS

12V Receptacles & Plugs

40

Marinco offers a wide selection of high quality DC electrical products that are designed specifically for harsh marine environments.

12V Dual USB Receptacles

41

A wide range of USB receptacles for charging mobile device, tablets, and other accessories.

12V Receptacles & Plug Accessories

42

Mounting brackets, plates, extension cords, and other essential accessories for managing your 12 V receptacles and plugs.

DC POWER CONNECTIONS

Charging / Trolling / Downrigger System

43

NEW

Marinco offers a complete line of plugs and receptacles designed exclusively for trolling motors and downriggers. Includes the NEW 70 Amp trolling motor plug.

Battery Direct Connect

45

Terminate up to 4 electronic instruments on each set of battery terminals.

Charging today's mobile devices on the go is a necessity and requires products built to withstand the marine environment.

The importance of a quality DC electrical system

There's an old axiom that states, "The strongest chain is only as reliable as its weakest link," and the same analogy can be applied to your boat's DC electrical system. Put it in a harsh salt water or fresh water environment, where a vessel's wiring and components are subjected to more concentrated abuse in one season than your family car would experience in five years, and it's easy to realize that small electrical problems can get out of hand very quickly.

Safety onboard starts with a reliable DC electrical system that is installed and designed with the proper high quality wiring, components and connections to fulfill all of your intended DC tasks. If you're tempted to take shortcuts when wiring your boat, don't, as these types of cost-cutting measures can come back to bite you at the worst possible moments, potentially compromising the safety of your boat and crew.

So, whether you ply fresh water lakes, back bays, coastal areas or make long distance blue water runs to the edge of the continental shelf, Marinco® offers a wide selection of high quality, low voltage DC electrical products designed specifically for the harsh marine environment.

Now you can spend more time enjoying your boating experience and less time dealing with unwanted electrical hassles.

SeaLink® 12 Volt
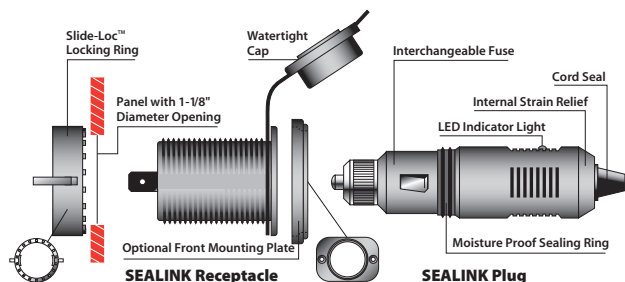
The SeaLink® 12 volt family of products are manufactured from corrosion resistant marine grade materials. Exclusive to SeaLink® products is a unique interconnecting system that securely locks the plug into the receptacle resulting in a positive and moisture-proof connection. The plug and receptacle feature optimized metal connection points for maximum conductivity.

ConnectPro® Charging & Trolling
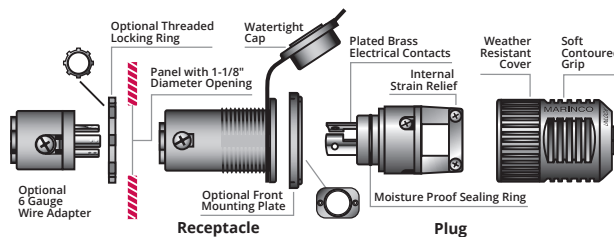
The ConnectPro® trolling motor plug and receptacle is a revolutionary concept in trolling motor DC connections. The ConnectPro® system has superior electric current carrying capacity that eliminates problems that rob motors of power and reduce battery life. The ConnectPro® system features a locking plug and receptacle and spring clamping connection, which provides a secure electrical contact.

12V Receptacles / Plugs / Accessories

12 Volt Receptacle with Protective Cap

• Stainless Steel
• Includes stainless steel mounting plate and wire set
• Max rating is 20 amps

Part #   **20036**

SeaLink® Deluxe 12 Volt Receptacle w/ Old Style Ring

• Watertight sealing cap
• Easy to install with locking ring for rear access installation
• Compatible with standard 12V plugs
• Max rating is 20 amps

OEM #   **12VRCO**
OEM #   **12VRCO.PG**   w/gasket
OEM #   **12VRCY**   sealed seams

12V Receptacles / Plugs / Accessories

12VRC **12VRCW**

12VRC.OEM **12VRCW.OEM**

SeaLink® Deluxe 12 Volt Receptacle

- Watertight sealing cap
- Easy to install, with supplied mounting plate for front panel installation, or locking ring for rear access installation
- Compatible with standard 12V plugs
- Max rating is 20 amps

Part #	12VRC	black
Part #	12VRC.PG	black w/gasket
Part #	12VRCW	white

SeaLink® Deluxe 12 Volt Receptacle

- Watertight sealing cap
- Easy to install with locking ring for rear access installation
- Compatible with standard 12V plugs
- No mounting plate
- Max rating is 20 amps

| OEM # | 12VRC.OEM | black |
| OEM # | 12VRCW.OEM | white |

SeaLink® Deluxe 12 Volt Plug

- Moisture proof sealing ring
- LED power indicator light
- Interchangeable 10A fuse
- Internal strain relief and cord seal
- Compatible with standard 12V receptacles
- Max rating is 10 amps

| Part # | 12VPG |
| OEM # | 12VPG.OEM |

SeaLink® Deluxe 12 Volt Receptacle & Plug

- 12VRC and 12VPG packaged together

| Part # | 12VPK |

12VDUSB **12VDUSBW-B**

12VCOMBO **12VCOMBOW-B**

SeaLink® Deluxe Dual USB Charger Receptacle

- 12V to 24V DC input
- 5V, 2.1 amp total output
- LED power indicator light for USB
- Water resistant cover protects against dust and water
- Insulated terminals included

Part #	12VDUSB	black
OEM #	12VDUSB-B	black no terminals
OEM #	12VDUSBN-B	black no LED
OEM #	12VDUSBW-B	white

SeaLink® Deluxe Dual USB Charger & 12V Receptacle

- 12V DC input
- Dual USB has 5V, 2.1 amp total output
- LED power indicator light for USB
- Receptacle has 12V DC output, rated up to 20 amps
- Water resistant covers protects against dust and water
- Insulated terminals included

Part #	12VCOMBO	black
OEM #	12VCOMBO-B	black no terminals
OEM #	12VCOMBON-B	black no LED
OEM #	12VCOMBOW-B	white

12V Receptacles / Plugs / Accessories

12MP.OEM   **300259**

SeaLink® Mounting Plate
- Easy to install or retrofit
- 12MP.OEM use with 12VRCY, 12VRC.OEM, 12VRCO, or 12VBR.OEM
- 300259 use with 12VRCW.OEM

OEM #   **12MP.OEM**   black
OEM #   **300259**   white

Boot
- For use with 12V products
- Creates a weatherproof seal

Part #   **300275**

Trolling Motor Adapter Terminal
- 6 gauge

Part #   **12VPL.OEM**

SeaLink® Receptacle Mounting Bracket
- Bracket for under dash mounting of the SeaLink® or ConnectPro® receptacles
- Receptacle installs with rear mounting threaded nut
- Marine grade anodized aluminum
- Dimensions: 2" W x 2-1/2" H

Part #   **12BKT**

USB Port
- 6 ft
- USB extension cable with weatherproof cap

Part #   **USBA6**
OEM #   **USBA6.OEM**

SeaLink® Deluxe 12V Extension Cord
- Heavy duty 18 gauge wire, extends to over 6 feet
- Watertight cap
- Plug features an LED indicator light, moisture proof sealing ring, strain relief and built-in 10A fuse
- SeaLink® locking system
- Works with any standard 12V plug and receptacle

Part #   **12VXT**

SeaLink® Deluxe 12V Dual Outlet Cord
- Heavy duty 18 gauge wire, extends to over 1 foot
- Watertight caps
- Plug features an LED indicator light, moisture proof sealing ring, strain relief and built-in 10A fuse
- SeaLink® locking system
- Works with any standard 12V plug and receptacle

Part #   **12VAD**

3-Wire 70A Charging / Trolling System

70A Trolling Motor Receptacle `NEW`
- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity and durability
- Corrosion resistant, plated brass electrical components
- Watertight sealing cap
- Accepts up to 6 AWG wire

Part #   **12VBRS3**
OEM #   **12VBRS3.OEM**

70A Trolling Motor Plug `NEW`
- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity and durability
- Corrosion resistant, plated brass electrical components
- Integrated strain relief
- Keyed design with thumbprint locator
- Accepts up to 6 AWG wire

Part #   **12VBPS3**
OEM #   **12VBPS3.OEM**

70A Trolling Motor Plug `NEW` & Receptacle
- 70A continuous rating
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V, 36V or 48V systems
- Floating pin design for maximum connectivity and durability
- Corrosion resistant, plated brass electrical components
- Receptacle contains watertight sealing cap
- Plug contains Integrated strain relief and keyed design with thumbprint locator
- Accepts up to 6 AWG wire

Part #   **12VCPS3**

3-Wire ConnectPro® Charging / Trolling System

PATENTED

ConnectPro® Receptacle
- Universal design for 2 or 3-wire configuration 12V, 24V, 12/24V, 24/36V or 36V systems
- Watertight sealing cap
- Corrosion resistant, plated brass electrical components
- Drain holes in receptacle keep water away from electrical components
- Perma-Lock™ screw terminals will not loosen under extreme hull vibration
- Standard 1-1/8" diameter mounting hole
- Easy to install, with supplied mounting plate for front panel installation, or locking ring for rear access installation
- Accepts 10 and 8 AWG wire
- Easily replaces other trolling motor plugs and receptacles
- Max rating is 40 amps

Part #   **12VBR**   with mounting plate
OEM #   **12VBR.OEM**   without mounting plate

ConnectPro® Plug
- O-ring seal for waterproof connections
- Weather resistant plug cover
- Corrosion resistant, plated brass electrical components
- Accepts 16 to 8 AWG wire
- Ergonomic contoured grip for easy hook-up and ground blade alignment
- Max rating is 40 amps

Part #   **12VBP**
OEM #   **12VBP.OEM**

ConnectPro® Receptacle & Plug
- 12VBR and 12VBP packaged together

Part #   **12VCP**

6 Gauge ConnectPro® Wire Receptacle Adapter
- Allows 6 AWG wire connection to ConnectPro® receptacle
- Corrosion resistant, plated brass electrical components

Part #   **12VBRAD**
OEM #   **12VBRAD.OEM**

ConnectPro® Receptacle, Plug & 6 Gauge Adapter
- 12VBR and 12VBP and 12 VBRAD packaged together
- Max rating is 40 amps

Part #   **12VCP6**

2-Wire ConnectPro® Charging / Trolling System / Downrigger

ConnectPro® Receptacle

- Works with 12V, 24V, or 36V 2-wire systems
- For front mount panel installations
- Weather resistant sealing cap
- Drain holes in receptacle keep water away from electrical components
- Perma-Lock™ screw terminals will not loosen under extreme hull vibration
- Fits standard 1-1/8" diameter mounting hole
- Accepts up to 10 AWG wire

Part # 12VBRS2
OEM # 12VBRS2.OEM

ConnectPro® Plug

- O-ring seal for waterproof connections
- Weather resistant plug cover
- Corrosion resistant, plated brass electrical components
- Accepts 16 to 8 AWG wire
- Ergonomic contoured grip for easy hook-up and ground blade alignment
- Max rating is 40 amps

Part # 12VBPS2
OEM # 12VBPS2.OEM

ConnectPro® Receptacle & Plug

- 12VBRS2 and 12VBPS2 packaged together

Part # 12VCPS2

3-Wire 30 Amp 125V Locking Charging / Trolling System

Male Plug

- Short housing, black nylon with internal strain relief system and recessed fasteners

Part # 305BP
OEM # 305BP.OEM

Female Connector

- Short housing, black nylon with internal strain relief system and recessed fasteners

Part # 305BC

Receptacle

- Corrosion resistant reinforced nylon.
- Accepts 8 AWG stranded wire or up to 6 AWG with spade terminals

Part # 305CRRB
OEM # 305CRRB.OEM

NEMA L5-30R

30A 125V Locking

4-Wire 12/24V Locking Charging / Trolling System

The 4-wire Trolling/Charging System eliminates the need for a charge/run switch. Install the receptacle on the boat, mount the black trolling motor plug on the trolling motor, and the red charger plug on the leads of the battery charger. Simply plug in the black plug to troll, or plug in the red plug to charge.

12/24V Locking

Charger Plug (Male)
• Accepts up to 10 AWG wire
• Red

Part #   2018BP-12

Trolling Motor Plug (Male)
• Connects to trolling motor
• Jumpered internally to supply 12V & 24V power to the trolling motor when plugged into the receptacle
• Accepts up to 8 AWG wire
• Max rating is 60 amps
• Black

Part #   2018BP-24
OEM #   2018BP-24.OEM

Receptacle & Bracket
• Spring loaded flip lid cover and 2018BR receptacle, pre-assembled

Part #   2018BR-MB

Bracket
• Spring loaded flip lid cover, without receptacle

Part #   2018MB
OEM #   2018MB.OEM

Trolling-Charging System Package
• Includes the 2018BP-12, 2018BP-24, and 2018BR-MB

Part #   2018PKG

Receptacle
• Glass-reinforced corrosion resistant nylon. Accepts 8 AWG stranded wire or up to 6 AWG with spade terminals.

Part #   2018BR
OEM #   2018BR.OEM
OEM #   2018BR.OEM.BPS (case pack)
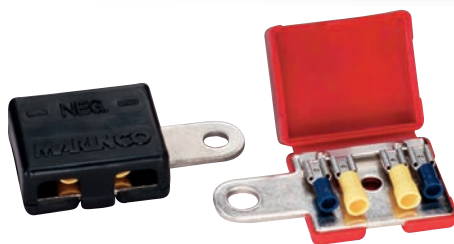
Battery Direct Connect™ Multi Connection Battery Terminals
• Terminate up to four electronic instruments on each set of terminals
• Comes complete with quick-connect terminals
• Positive molded in red, negative molded in black
• All one-piece, no screws or parts to lose
• Cover snaps tight when closed
• Meets ABYC standard E-10.8

Part #   12VTR
OEM #   12VTR.OEM

TECH tip

Battery Direct Connect™ Details

Negative 12 VTR Positive
BATTERY

Terminate up to four electronic instruments: Fish Finder | Depth Sounder | GPS | Radio
BATTERY
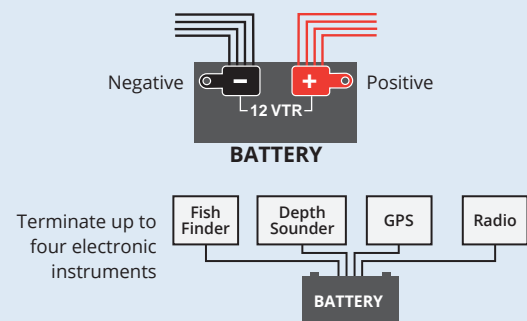
POWER CONVERSION

Charge Pro® Portable Battery Chargers

48

The Charge Pro® Portables offer a versatile charging solution that you can take with you in your car, truck, boat, motorcycle or anywhere else you need power. Even your classic car can be charged with the 6V mode.

Charge Pro® Onboard Battery Chargers

48

These new onboard chargers have the same housing and mounting dimensions as our traditional Charge Pro® Guest chargers with a number of performance enhancements.

GUEST Portable Battery Chargers

50

Take the charger to the battery with the Guest portable charger. Charges and maintains a full charge without the fear of overcharging or boiling electrolytes.

POWER CONVERSION

GUEST Onboard Battery Chargers

50

Triple and single bank designs with models that are compatible with 12V or 24V systems.

1.5 Amp Charge Pro® Maintainer

51

NEW

Keep your battery charged with this highly reliable, Guest 1.5 Amp maintainer. Extends battery life and will charge, monitor and re-charge your battery if the voltage drops below 12.9V. The maintainer can be safely connected to the battery for short or long periods of time.

Battery Charger Inlets

51

Front mount and rear mount inlets are compatible with the ConnectCharge Plug. Eliminates rewiring the inlets and saves time and money.

Charge Pro® Battery Chargers

Marinco® has taken the best of their former Guest brand waterproof chargers and has added a host of features and technology for ultimate performance and longevity in the marine environment. Digital microprocessor controlled, the Charge Pro® chargers provide fast, accurate, efficient and full battery charging. They automatically monitor battery power and begin the charge cycle when power is low or every 14 days. Charge Pro® features include universal input (90-265V AC), IP65 rating, for flooded lead acid or AGM batteries. These new chargers meet stringent industry standards including UL, CSA, ABYC, USCG, FCC and the new CEC standard.

Charge Pro® Portable Battery Chargers

The Charge Pro® Portables offer a versatile charging solution that you can take with you in your car, truck, boat, motorcycle or anywhere else you need power. Even your classic car can be charged with the 6V mode. The portables come with two sets of cables—one with ring terminals and one with alligator clips.

- For use with flooded, AGM and Gel batteries
- Microprocessor controlled for accurate, efficient charging
- Intuitive operation
- 120/230V AC 50/60Hz input
- Models: 6/12V, 1.1 Amp & 4.3 Amp
- IP65 for harsh marine and industrial environments— moisture, salt, shock and vibration tested
- Meets global industry standards including UL, CSA, ABYC, FCC, California efficiency regulations (CEC)
- 4 ft DC cable connects to 2 ft lead with ring terminals or 2 ft lead with alligator clips (both included)

included

Easy to read label

Mode selector

Power ON

LED to indicate connection error

Modes:
Select between
3 chemistry types
and 6 and 12V

Battery charge level
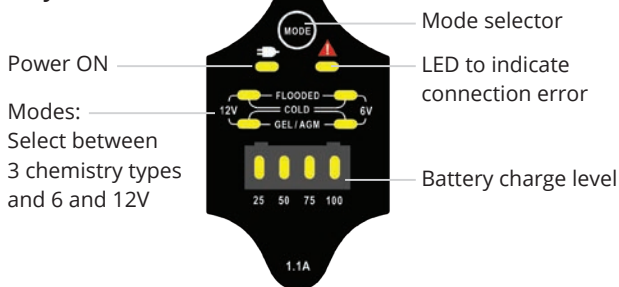
RoHS   IP65

	1.1 Amp Single Output	4.3 Amp Dual Output	
Part #	**27101**	**27104**	
Output Banks	1	1	
Total Amps	1.1	4.3	NEMA 1-15P
Battery System	6/12V	6/12V	
Input Voltage Range	100–240V AC 50/60Hz	100–240V AC 50/60Hz	
Output Voltage per Bank	12V	12V	
Regulatory Listings	UL, CSA, CEC, FCC, CE	UL, CSA, CEC, FCC, CE	

Versatile
Works with 6V and 12V batteries and includes both alligator clips and ring terminals.

Rugged
The scratch and water resistant housing makes the Charge Pro ideal for indoor and outdoor use.

Simple
One button operation makes charging easy. Simply select your battery type and voltage.

Safe
Automatic protection against short circuit overcharge, and extreme temperatures.

Charge Pro® Battery Chargers

These onboard chargers have the same housing and mounting dimensions as our traditional Charge Pro® Guest chargers with a number of performance enhancements.

- For use with flooded, Gel and AGM batteries
- Microprocessor controlled for accurate, efficient charging
- Universal input 120/230V for go-anywhere freedom
- Isolated outputs
- Outputs can be put in series or parallel for higher voltage or current
- IP68 for harsh marine and industrial environments—moisture, salt, shock and vibration tested
- Meets global industry standards including UL, CSA, ABYC, FCC, California efficiency regulations (CEC)
- Footprint and mounting holes are same as former Charge Pro® Guest Chargers
- ConnectCharge™ Plug for easy assembly to inlet (Part #150CCI) with no wiring

RoHS   IP68

Formerly known as
GUEST

	6 Amp Single Output	10 Amp Dual Output	20 Amp Dual Output	30 Amp Triple Output
Part #	**28106**	**28210**	**28220**	**28330**
Former GUEST Part #	2608A	2611A	2620A	2631A
Output Banks	1	2	2	3
Total Amps	6	10	20	30
Amps per Output	6	5/5	10/10	10/10/10
Battery System	12V	12/24V	12/24V	12/24/36V
Input Voltage Range	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz	100-240V AC 50/60Hz
Output Voltage per Bank	12V	12V	12V	12V
Regulatory Listings	UL, CSA, CEC, CE, FCC	UL, CSA, CEC, CE, FCC	cULus, CEC, FCC	cULus, CEC, FCC

NEMA 5-15P

For use with group 24, 27 and 31 Flooded and AGM batteries. Not for use with 4D and 8D large capacity batteries.

ConnectCharge™ Plug

Designed to snap into Marinco® inlet (Part # 150CCI) quickly and easily. The inlet (purchased separately) has a weatherproof cover and locking rings. No wiring needed.

Related Products

ConnectCharge™
Inlets
page 51

Onboard Battery Chargers

	15 Amp Triple Output	2 Amp Battery Charger	2 Amp Battery Charger
Part #	**2613A**	**2602A-12**	—
OEM #	—	—	**2602A-24-B**
Total Amps	15	2	2
Outputs	3	1	1
Amps per out	5/5/5	2	2
Battery System	12V+12V+12V or 24V+12V	12V	24V
Input Voltage	100–130V AC / 60Hz	100–130V AC/60Hz	100–130V AC / 60Hz
Output Voltage	12V	12V	24V
AC	6' cord w/ ConnectCharge™ plug	6' cord w/ ConnectCharge™ plug	6' AC cord with standard plug
Dimensions	7.0" x 9.60" x 2.60" 178 x 244 x 66 mm	2.75" x 4.50" x 1.50" 70 x 114 x 38 mm	2.75" x 4.50" x 1.50" 70 x 114 x 38 mm
Weight	8.0 lbs / 3.6 kg	2.0 lbs / 0.9 kg	2.0 lbs / 0.9 kg

Related Products

ConnectCharge™ Inlets
page 51

Portable Battery Chargers

	6 Amp Battery Charger	3 Amp Battery Charger
Part #	**2606A**	**2603-B**
Total Amps	6	3
Outputs	1	1
Amps per out	6	3
Battery System	12V	12V
Input Voltage	100–130V AC / 60Hz	100–130V AC/60Hz
Output Voltage	12V	12V
AC	6' AC cord with standard plug	18" AC cord with standard plug
Dimensions	5.5" x 5.0" x 2.4" 140x127x61 mm	3.10" x 3.50" x 2.34" 79x89x59 mm
Weight	3.5 lbs / 1.6 kg	1.0 lbs / 0.5 kg

1.5 Amp ChargePro® Maintainer **NEW**

Keep your battery charged with this highly reliable, Guest 1.5 Amp maintainer. Extends battery life and will charge, monitor and re-charge your battery if the voltage drops below 12.9V. The maintainer can be safely connected to the battery for short or long periods of time. To increase versatility the maintainer comes with alligator clips and ring terminals for the output cable. This maintainer will charge smaller batteries and maintain batteries up to 150Ah (group 31).

- Ideal for sport fishing boats, ski boats, jet ski's, ATV's, automobiles, tractors, riding lawn mowers and more
- For Wet, Gel and AGM batteries
- Charge batteries 1.2 Ah to 40 Ah
- Maintain batteries 1.2Ah to 150 Ah
- Energy savings mode automatically shuts off the charger when the battery is charged. The charger periodically monitors the battery and turns back on when the battery falls below 12.9V.
- Maintainer can safely stay connected to the battery for long periods of time
- LED's let you know when the Power is ON, battery is being charged and when charging is complete.
- Includes ring terminals and alligator clips for connection to the battery
- Weather resistant, IP65
- 3-wire AC plug, NEMA 5-15P
- 3 year warranty
- Meets UL 1236 and CSA Standards, cETLus

Part #	Output Volts	Output Amps	Banks	Cable Length	Size (WxHxD)	Weight	AC In
2701A	12V DC	1.5 Amps	1	6'	5.0"x5.8"x2.0"	2.3 lbs	120V AC 60Hz

Versatile
Includes both alligator clips and ring terminals

ConnectCharge™ Inlets

Universal Mount
- Mount to dash from rear with threaded locking ring or from the front with three screws through the face plate

Part #   150CCI

Rear Mount
- Mounts to dash from rear with threaded locking ring
- Eliminates rewiring, plug snaps into Inlet locking tab
- Watertight lid protects AC plug

OEM #   150CCTM.OEM

Front Mount
- Mounts to panel from front with three screws through the face plate

OEM #   150CC.OEM

For use with Battery chargers with ConnectCharge™ Plug only!

Exclusive molded notch on plug locks into ConnectCharge™ inlet

Hard Wired Charger Inlets
- 15A or 20A 125V straight blade inlet
- Low profile cap won't catch fishing line
- Mounts easily to fiberglass and aluminum hulls
- Perma-Lock™ terminals and color coded wire entrance holes make wiring a snap
- UV resistant housing/cap

Amp	Color	Universal Mount Part #	Front Mount OEM #	Rear Mount OEM #
15	Black	**150BBI**	**150BBI.OEM**	**150BBI-TM**
15	White	**150BBIW**	**150BBIW.OEM**	—
20	White	—	**200BBIW.OEM**	—

15A 125V Straight Blade

20A 125V Straight Blade

BATTERY MANAGEMENT

Dynaplates

54

Improve the performance of electronics and reduce RF interference. Deters electrolysis and galvanic corrosion.

Universal Mount Switches

55

Longer stud length for easier assembly and cable routing.

BATTERY MANAGEMENT

Battery Selector Switches

55

Durable polycarbonate case. Available with or without Alternator Field Disconnect. For 6V, 12V, 24V, or 36V systems.

Heavy-duty Diesel Power Battery Switches

55

Constructed with heavy-duty copper sweep contacts to ensure positive circuit control. Features Alternator Field Disconnect to protect the electrical system during switching.

Battery Management systems protect and support rechargeable batteries by extending the charge and life cycle of your batteries.

Dynaplates for Hull Bonding & Grounding

• Improves performance of electronics and reduces RF interference
• Offers the best path for hull bonding without long runs of copper foil
• Deters electrolysis and galvanic corrosion
• Sintered porous bronze sphere construction for maximum conductivity in a compact size
• Low drag, non-fouling shape
• Easy to clean with wire brush
• Conforms to ABYC standards
• Mounting hardware included
• Gold plated mounting bolt
• Bronze mounting nuts

	Standard	Large	Giant	Super
Part #	**4006**	**4008**	**4012**	**4018**
Use for	bonding and grounding	bonding, grounding and Loran use	bonding, grounding and Loran use	SSB radio
Dimensions	6" x 2" x .5" 152 x 51 x 13 mm	8" x 2.5" x .5" 203 x 64 x 13 mm	12" x 3" x .5" 305 x 76 x 13 mm	18" x 6" x .5" 457 x 152 x 13 mm
Mounting holes	2-1/2" center to center	4" center to center	6" center to center	9.875" center to center; 3" top to bottom
Weight	1.4 lbs / .6 kg	2.1 lbs / 1 kg	3.7 lbs / 1.7 kg	11.1 lbs / 5 kg

Accessories for dynaplates

Part	Material	Use with:	Dimensions	Part #
Washer	Bronze	4006/4008	1/4" x 20"	**P-11D03**
		4012/4018	3/8" x 16"	**P-11D04**
Bolt	Bronze	4006/4008	1/4" x 20"	**P-12D34**
		4012/4018	3/8" x 16"	**P-12D36**
	Bronze Gold Plate	4006/4008	1/4" x 20"	**P-12D35**
		4012/4018	3/8" x 16"	**P-12D37**

Part	Material	Use with:	Dimensions	Part #
Nut	Bronze	4006/4008	1/4" x 20"	**P-13A27**
		4012/4018	3/8" x 16"	**P-13A29**
	Bronze Gold Plate	4006/4008	1/4" x 20"	**P-13A28**
		4012/4018	3/8" x 16"	**P-13A2A**

TECH tip

Choosing a Battery Switch

ABYC requires a battery switch on every boat with a battery over 800 Cold Cranking Amps (CCA). This requirement exists so the potentially destructive energy in the batteries can be isolated in the event of a fire.

Universal Mount Switches

- Longer stud lengths for improved assembly and easier cable routing
- Built with heavy-duty copper sweep contacts to ensure positive circuit control
- Rugged internal components protected by a tough, impact resistant polycarbonate housing that is impervious to the elements
- Cable Lug Size: 3/8"
- Dimensions: 5.0" x 2.75"

Selector Switch w/out AFD

Continuous amps: 230
Momentary amps: 345

Part #   2111A

Part #	2111A-O	orange
Part #	2111A-17	red
OEM #	2111A-B	black

Selector Switch with AFD

Continuous amps: 230
Momentary amps: 345

Part #   2110A

OEM #   2110A-B   black

On/Off Switch w/out AFD

Continuous amps: 230
Momentary amps: 345

Part #   2112A

OEM #   2112A-B   black

Battery Selector Switches

- Polycarbonate case
- For 6V, 12V, 24V or 36V systems
- Surface mount
- Cable Lug Size: 3/8"
- Dimensions: 5.50" x 2.63"

Selector Switch with AFD

Continuous amps: 230
Momentary amps: 345

Part #   2100
OEM #   2100-B

Selector Switch w/out AFD

Continuous amps: 230
Momentary amps: 345

Part #   2101
OEM #   2101-B

On/Off Switch w/out AFD

Continuous amps: 230
Momentary amps: 345

Part #   2102
OEM #   2102-B

Heavy-duty Diesel Power Battery Switches

- For 6V, 12V, 24V or 36V systems
- Built with heavy-duty copper sweep contacts to ensure positive circuit control
- Rugged internal components protected by a tough, impact resistant polycarbonate housing that is impervious to the elements
- All feature Alternator Field Disconnect (AFD) allowing selection of any position, including "off", without damage to alternator or electrical system
- Cable lug size: 1/2"
- 2304A and 2304A-B have 3 studs

Heavy-duty On/Off Switch

Continuous amps: 450
Momentary amps: 800

Part #   2303A

OEM #   2303A-B

Extra-duty On/Off Switch

Continuous amps: 600
Momentary amps: 1000

Part #   2304A

OEM #   2304A-B

Battery Selector Switch

Continuous amps: 360
Momentary amps: 600

Part #   2300A

OEM #   2300A-B

Battery Switch Operation Diagrams

As more and more electronics and electrical accessories are added to your boat (autopilot, refrigeration, etc.) the use of multi-batteries becomes a necessity. Guest components allow you to set up the system (from simple to complex) for your boat's application. The following diagrams are for use in identifying and designing the right system for your boating needs.
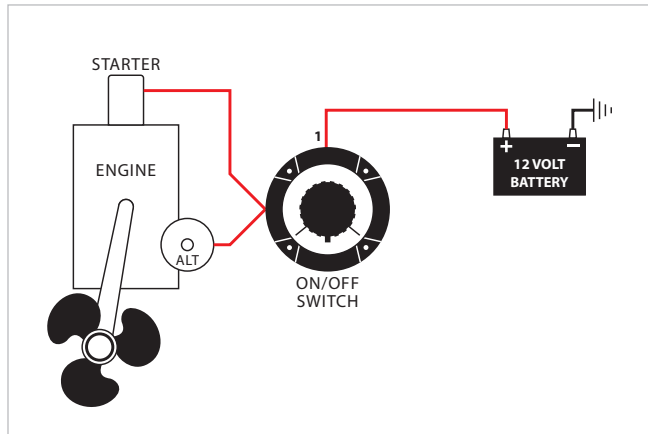
Single battery

Installation: To shut off all power at source. Recommended installation by approved authorities.
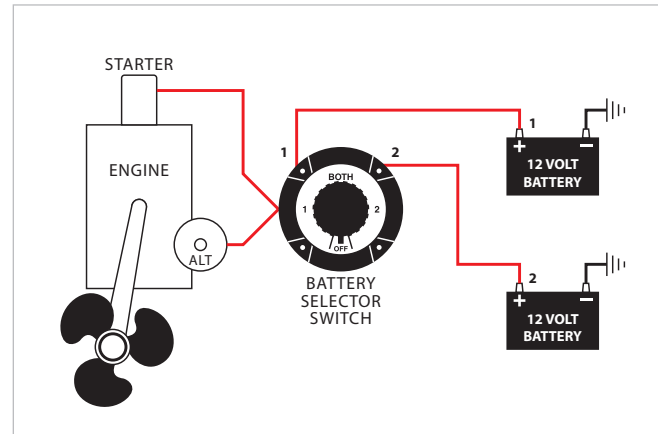
Two battery with out isolator

Installation: To select a starter battery and ship service battery. Manually isolates each battery, parallels both batteries for emergency start, master disconnect, manually selects batteries for charging.
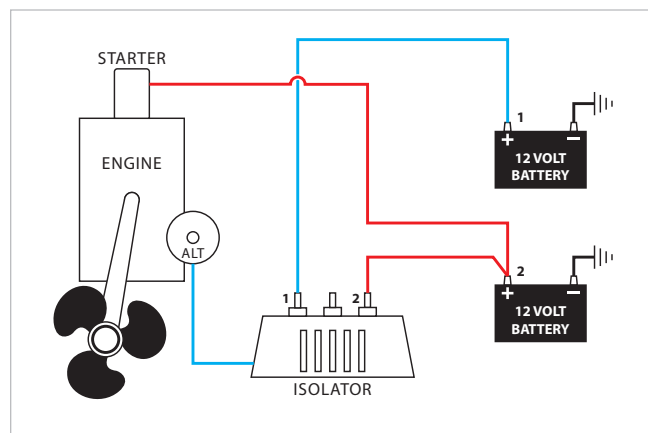
Two battery with isolator

Installation: Isolator automatically selects lower charged battery to be charged first. Full battery can't discharge to drained battery. Dedicated system, no flexibility, no emergency parallel or disconnect function.
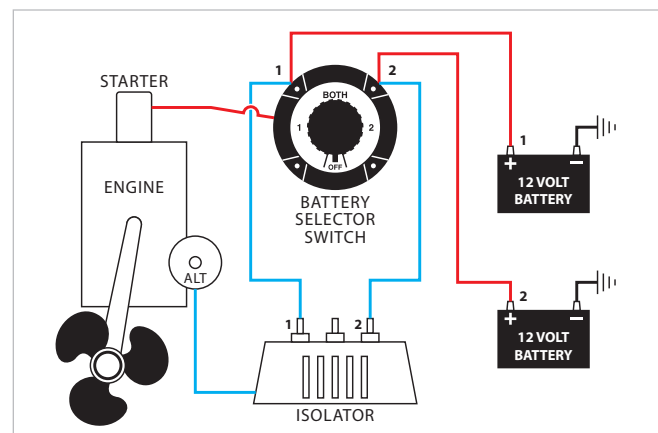
Two battery with emergency parallel

Installation: An isolator automatically isolates each battery, lower charged battery will automatically be charged first. Two different size batteries can be used, larger for ship services, smaller for engine cranking. Switch selects usage, master disconnect, emergency parallel function.
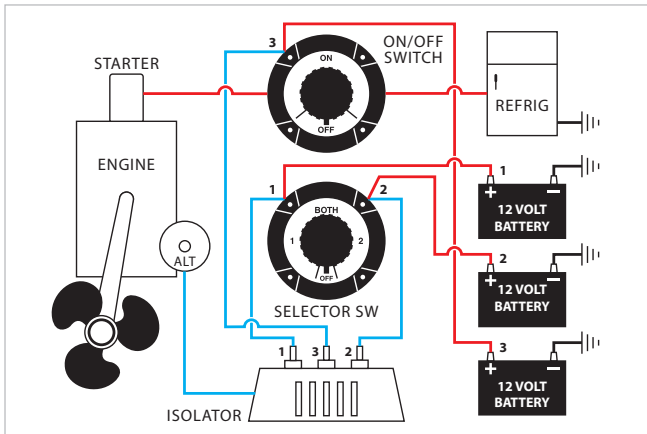
One battery selector switch, one On/Off selector switch automatic battery isolation and automatically charges three batteries

Installation: Use for sailboats and trawlers. Third battery isolated from other ship circuits. All batteries being automatically charged while running through isolator. To be used for refrigeration or other heavy load devices. Isolator protects other batteries.

Switch selector usage:

1. Master disconnect   2. Emergency parallel function
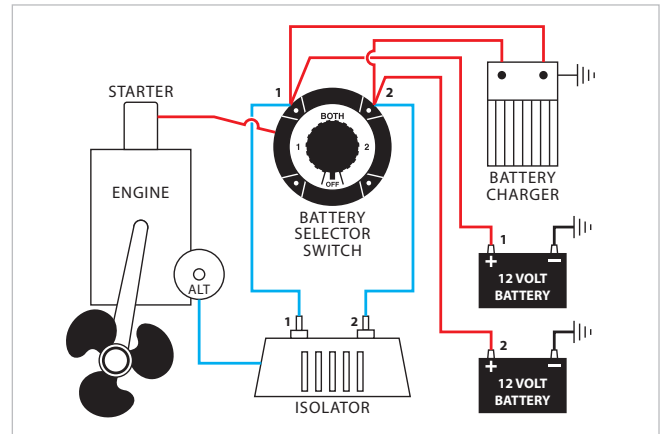
Adding automatic battery charger/converters to system

Installation: At dockside multi-bank charger built in isolator which will automatically charge lower battery.
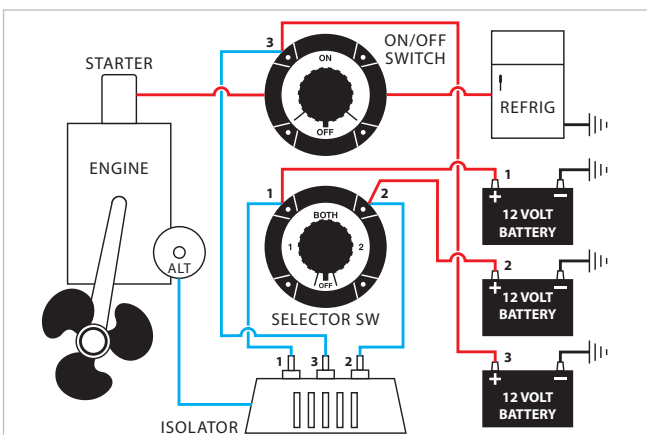
Three batteries, one battery selector switch, one On/Off or selector switch, two alternators, one isolator

Installation: Isolator separates both alternators so both alternators will charge simultaneously. Automatically charges lowest battery first. All batteries can be used for start, third battery, ship's source.

TECH tip

Alternator Field Disconnect (AFD)

Allows selection of any position, including "Off," without damage to alternator or electrical system. AFD is required on some electrical systems.

- Heavy-duty copper sweep contacts
- Positive click-stop on all positions
- "Make before break" contacts allow selection of all positions except "Off" while engine is running
- New design is easy to retrofit into existing hole patterns
- Use with 6V, 12V, 24V or 36V systems
- Built-in skirt protects connections
- Surface or rear panel mounting
- Marine grade construction

Important Note: The boater's electrical needs and problems should be discussed with your boatyard's electrical technician.

Exclusive flat 360 "sweep" contact design provides up to 60% more contact area than other switch designs.

WIPER SYSTEMS

Wiper Motors & Kits

60

Marinco® motors are split into three categories, Standard, Heavy-Duty, and Heavy-Duty Plus, with the categories being defined by the power range of the motors. Within the three categories, there are motors designed for interior or protected installations, and motors designed for exterior installations. We offer wiper motors for all windshield sizes up to 45", which could be covered by a 30" arm and 30" blade combination, driven by a 3.0 motor.

Wiper Arms

69

Wiper arms are available in Standard, Deluxe, and Premier styles and the primary construction material in all wiper arms is stainless steel. Deluxe arms are used on Standard and Heavy-Duty motors. The arms are available in a wide range of sizes, in both black and stainless steel finish, and regular and pantographic models. Pantographic arms use a set of two arms joined together to give a flatter and somewhat wider sweep pattern.

WIPER SYSTEMS

Wiper Blades

73

Standard, Premier, and Deluxe wiper blades are offered in different sizes and styles to fit all of the different types of wiper arms. Premier and Deluxe styles have stainless steel frame construction and high-end silicone rubber squeegees. For maximum performance of all blade styles, replacement of wiper blades is recommended every 6 months.

Windshield Washer Kits

75

A full line of easy-to-install windshield washer kits are available.

Wiper assembly systems ensure your visibility remains clear through a storm or vicious passages.

Wiper Motors

The motor choice is based primarily on the size of the windshield and where the motor is to be installed, either in an exterior or interior location. Marinco® motors are split into three categories, Standard, Heavy-Duty, and Heavy-Duty Plus, with the categories being defined by the power range of the motors. Within the three categories, there are motors designed for interior or protected installations, and motors designed for exterior installations. We offer wiper motors for all windshield sizes up to 45", which could be covered by a 30" arm and 30" blade combination, driven by a 3.0 motor.

The Standard motor category includes the STD, WMW, and 500, which are all designed for light duty use, defined as being able to drive a 14" arm and a 14" blade.

When coverage of a larger windshield is required, Marinco® offers the Heavy-Duty motors, which are capable of driving a wide range of arm and blade sizes, up to a 26" x 26" Deluxe arm and blade combination, which would cover windshields up to 39". The 1000 motor can pull up to a 16" x 16" Deluxe arm and blade combination. The MRV is built for interior or well-protected locations, and has the power to pull a 22" X 22" Deluxe arm and blade combination. The 1.5 motor has the power to pull a 22" x 22" Deluxe arm and blade combination like the MRV, but is waterproof and built for exposed installations. The 2.5 motor has the power to pull a 26" x 26" Deluxe arm and blade combination and is waterproof for exposed installations.

The 3.0 motor is the motor that makes up the Heavy-Duty Plus category. This motor has an external linkage shaft drive that gives it the power and torque to drive a 30" Premier pantographic arm and Premier blade combination.

Choosing the Right Motor

	Model	Voltage	Speeds	Stall Torque/ Stall Current	Compatible Blade Lengths	Available Shaft Lengths	Sweep Angles	Housing
	3.0	12V & 24V	Single	165 in-lbs / 12.5–14.5 amps	30" Premier Plus single or pantographic	2.5" 3.5"	Factory preset to 110° Adjustable to 45°, 60°	External linkage – no housing
	2.5	12V & 24V	2 speed	139 in-lbs / 9–10.5 amps	26" Deluxe 24" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable: 45° or 60°	Fully sealed powder coated aluminum
	1.5	12V & 24V	2 speed	109 in-lbs / 11.5–13 amps	22" Deluxe 20" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable: 45° or 60°	Fully sealed powder coated aluminum
	3000	12V	2 speed	159 in-lbs / 10.2–12.2 amps	26" Deluxe 26" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable to 40°, 50°, 60°, 70°, 80°, 90°, 100° or 110°	Fully sealed aluminum
	1000	12V	Single	55 in-lbs / 9.8–10 amps	16" Deluxe 18" Premier	1.5" 2.5"	Factory preset: 80° or 110° Adjustable: 50°, 65°, 80° or 110°	Fully sealed, UV stabilized hi-temp thermoplastic
	MRV	12V & 24V	2 speed (but can be operated as 1)	109 in-lbs / 11.5–13 amps	22" Deluxe 20" Premier (at 80° sweep)	1.5" 2.5" 3.5"	Factory preset: 80° or 110° Adjustable: 45°, 60°, 80° or 110°	Corrosion resistant cast housing
	500	12V	Single	—	14" Deluxe	2.5"	Factory preset: 80° or 110°	Fully sealed, UV stabilized hi-temp thermoplastic
	WMW	12V	Single	—	14" Deluxe	2.5"	Factory preset: 110°	Chrome plated brass case
	STD	12V	Single	—	14" Deluxe	2.5" 3.5"	Factory preset: 80° or 110° Adjustable: 80° or 110°	Corrosion proof aluminum alloy case
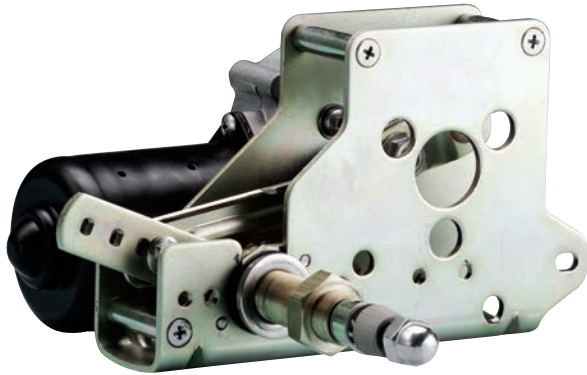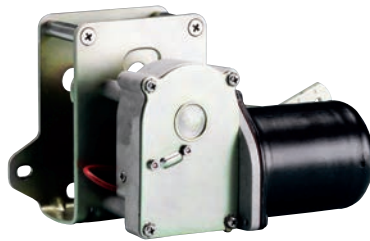
Heavy Duty Plus 3.0 Motor

The Heavy Duty Plus 3.0 Motor is Marinco®'s only external linkage motor. This design easily powers a 30" Premier arm and 30" Premier blade combination to provide coverage up to 45" of windshield area.

- Available in two shaft lengths: 2.5" and 3.5" (knurled arm fitting adds 2" to overall length)
- Tapered knurled drive shaft
- Factory pre-set sweep angle of 110°, with easy adjustment to 45° or 60°
- Sealed 6" wire leads, 16 AWG
- For interior installations
- Adjustable right or left self parking
- 18 mm diameter shaft
- Measures approximately 8.5" L x 4.625" W x 4.375" D (See below for detailed dimensional drawings)
- Stall torque: 165 in-lbs (190 kgf/cm; 18.6 Nm)
- Stall current: 12.5–14.5 amps
- No load current: 0.8–2.0 amps
- Recommended fuse: 6 amp fuse
- Available in 12V and 24V models
- Coast to park
- RF shielded circuitry

3 YEAR WARRANTY

CE

	Voltage	Sweep	OEM #
3.5" Shaft	12V	110°	**73113**
	24V	110°	**73313**
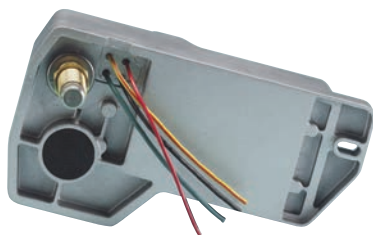
2.5 Waterproof Wiper Motor

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 26" Deluxe arm and Deluxe blade combination or a 24" Premier arm and Premier blade combination
- Available in two shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- Factory pre-set sweep angles of 80° or 110°, with easy adjustment to 45° or 60°
- Chrome plated solid brass knurled drive nut with brass and stainless steel drive shaft
- Two speed motor
- Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- .625" diameter shaft (16 mm)
- Available in 12V and 24V models
- Coast to park
- RF shielded circuitry
- Retail version includes 6 amp fuse and holder (operating switch not included)
- Measures approximately 7.875" L x 4.25" W x 3" D (see below for detailed dimensional drawings)
- Stall torque: 139 in-lbs (160 kgf/cm; 15.7 Nm)
- Stall current: 9.0–10.5 amps
- No load current: 1.0 -1.6 amps

3 YEAR WARRANTY

CE

	Voltage	Sweep	Part #	OEM #
1.5" Shaft	12V	80°	**82081**	**82181**
	12V	80°	**82082**	**82182**
2.5" Shaft	12V	110°	**82012**	—
	24V	110°	**82312**	**82212**

16AWGX7"
— F P S —

3.13" (79.6mm)
.26" (6.5mm)

W = 4.25" (108mm)

L = 7.91" (201.0mm)

.53" (13.5mm)
L=1",2"
M16
D = 3.02" (76.8mm)
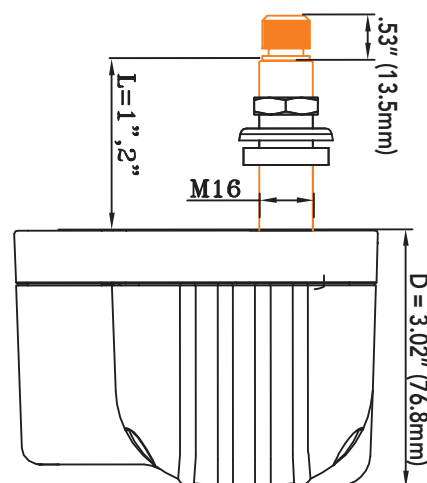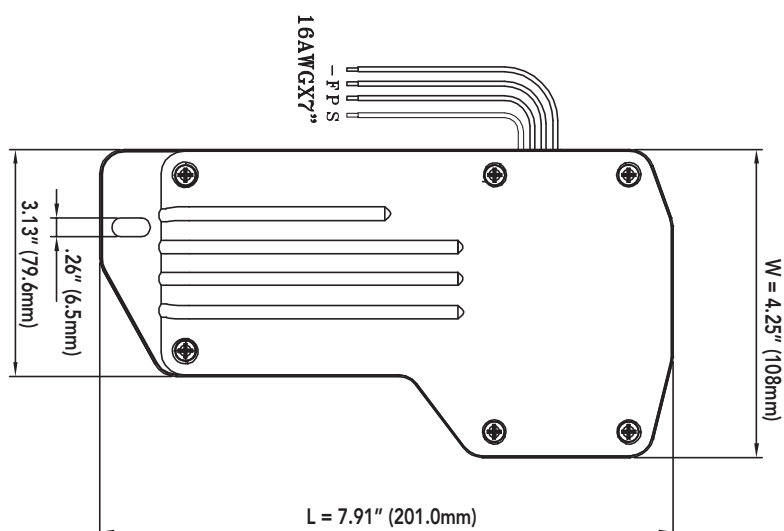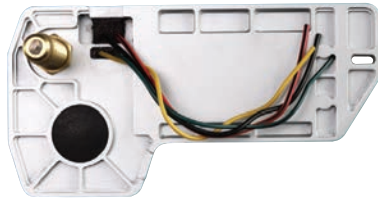
1.5 Waterproof Wiper Motor

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 22" Deluxe arm and 22" Deluxe blade combination or a 20" Premier arm and 20" Premier blade combination
- Available in three shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- Factory pre-set sweep angles of 80° or 110°, with easy adjustment to 45° or 60°
- Chrome plated solid brass knurled drive nut with brass and stainless steel drive shaft
- Two speed motor
- Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- .625" diameter shaft (16 mm)
- Available in 12V
- Coast to park
- RF shielded circuitry
- Retail version includes 5 amp fuse and holder (operating switch not included)
- Measures approximately 7.75" L x 4" W x 2.75" D (see below for detailed dimensional drawings)
- Stall torque: 109 in-lbs (125 kgf/cm; 12.3 Nm)
- Stall current: 11.5–13.0 amps
- No load current: 0.5–1.2 amps
- *Replaces AFI 2000 motor*

3 YEAR WARRANTY

CE

	Voltage	Sweep	Part #	OEM #
1.5" Shaft	12V	80°	**71081**	—
	12V	110°	**71011**	—
2.5" Shaft	12V	80°	**71082**	**71182**
	12V	110°	**71012**	**71112**

16AWGX7" – FPS

2.87" (73.0mm)
.20" (5mm)
W = 3.98" (101.0mm)
L = 7.76" (197.0mm)

.53" (13.5mm)
L = 1", 2"
M16
D = 2.77" (70.28mm)
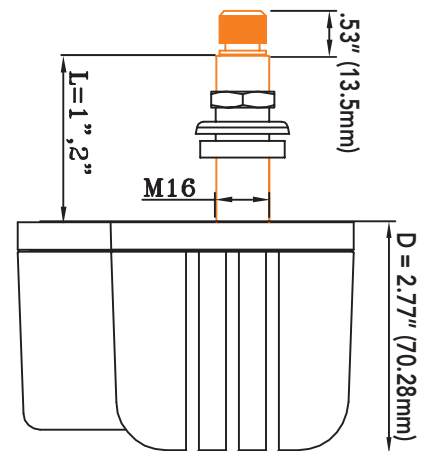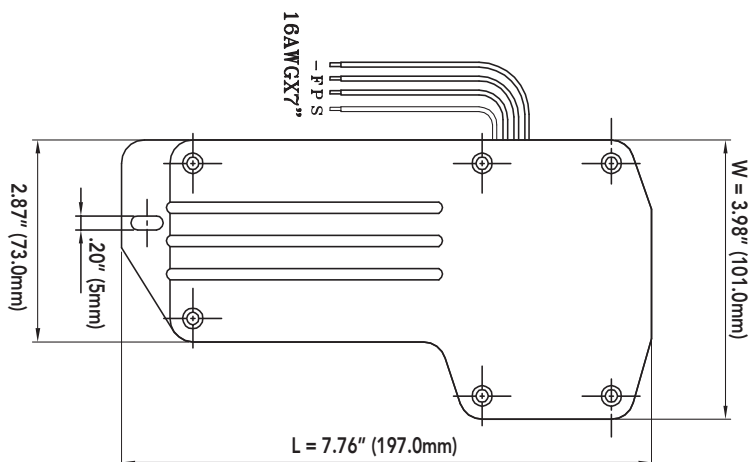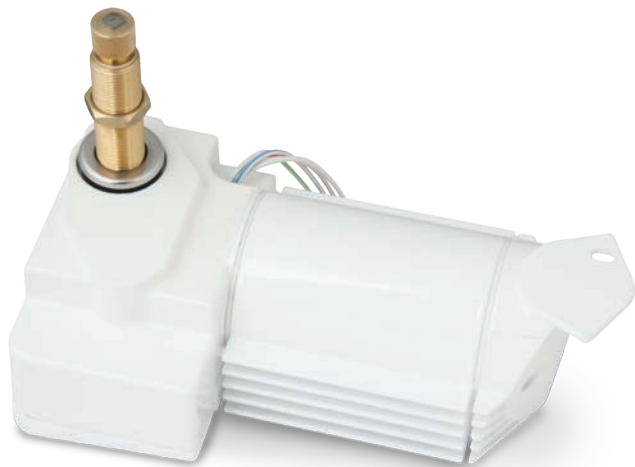
3000 Waterproof Wiper Motor NEW

- Fully sealed powder coated aluminum waterproof base and housing
- Powers a 26" Deluxe arm and Deluxe blade combination or a 24" Premier arm and Premier blade combination
- Available in two shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- .625" diameter shaft (16 mm)
- Factory preset sweep angles of 80° or 110°, with easy adjustment of 40° or 110° at 10° increments
- Sealed 6" wire leads, 16 AWG
- Adjustable right or left self parking
- Two speed settings
- Retail version includes 5 amp fuse and holder (on/off switch not included)
- Isolated ground
- Stall torque: 159 in-lbs (183 kgf/cm; 18 Nm)
- Stall current: 10.2–12.20 amps

3 YEAR WARRANTY

CE

	Voltage	Sweep	Part #
1.5" Shaft	12V	80°	**83081**
	12V	110°	**83011**
2.5" Shaft	12V	80°	**83082**
	12V	110°	**83012**

7.46" (189.5mm)

6.25" (158.8mm)

3.94" (100mm)

2.56" (65mm)

2.62" (66.5mm)

3.15" (80mm)

3.21" (81.5mm)

1.11" (28.1mm)

0.39" (9.8mm)

M16x1.0

2.30" (58.5mm)
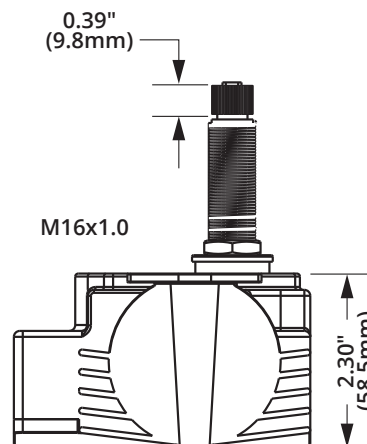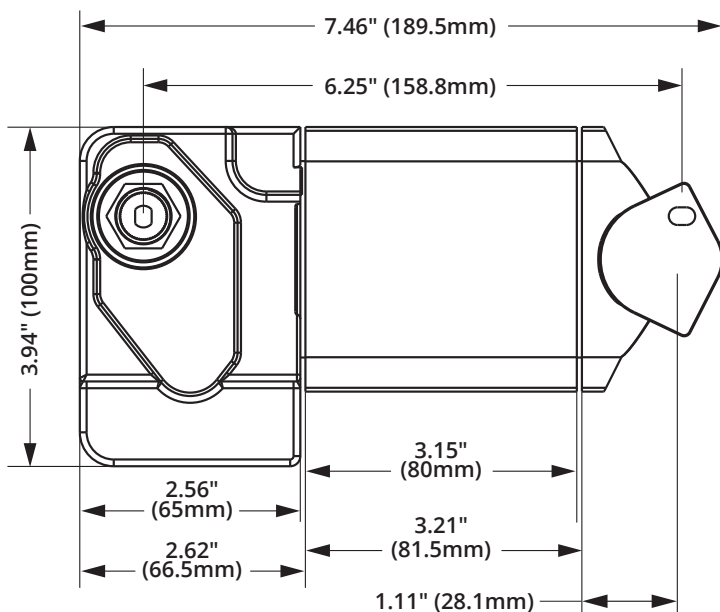
1000 Waterproof Wiper Motor

- Powers 18" Deluxe arm and 18" Deluxe blade combination at sweep sets of 80° or less (not compatible with pantograph arms)
- Powers 16" Deluxe arm and 16" Deluxe blade combinations at a sweep set of 110° (not compatible with pantograph arms)
- Factory pre-set sweep of 80° or 110° adjustable to 50°, 65°, 80°, or 110°
- .625" diameter shaft (16 mm)
- Fully sealed waterproof housing made of UV stabilized, high-temperature, high-impact thermoplastic
- 12 volt heavy-duty motor with anti-rotation drive shaft
- Knurled drive shaft and solid brass arm drive nut
- Coast to park with adjustable right or left self parking
- Retail version includes 5 amp fuse and holder (on/off switch not included)
- RF shielded circuitry
- Weight: 1.75 lbs
- Available in two shaft lengths: 1.5" and 2.5" (includes .5" length of knurled arm fitting)
- Measures approximately 6.625" L x 3.375" W x 2" D
- Stall torque: 55 in-lbs (63 kgf/cm; 6.2 Nm)
- Stall current: 9.8–10.0 amps
- No load current: 0.8–1.2 amps

3 YEAR WARRANTY

CE

	Voltage	Sweep	Item#	OEM #
1.5" Shaft	12V	65°	—	36161
		80°	36180	36181
		110°	36110	36111
2.5" Shaft	12V	65°	—	37161
		80°	37180	37181
		110°	37110	37111
2.5" Shaft Kits	12V	80°	37100	—
		110°	37200	—

2.35" (59.69mm)
.20" (5mm)
W = 3.3" (83.8mm)
L = 6.63" (168.4mm)

D = 2.0" (50.8mm)
.5" (12.7mm)
M16
L=1", 2"

3 YEAR WARRANTY

CE
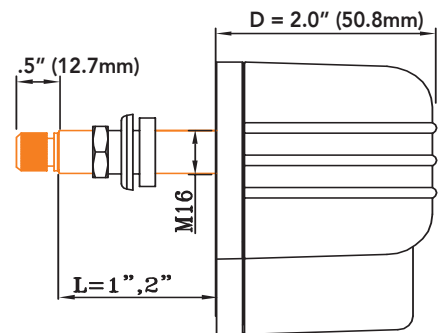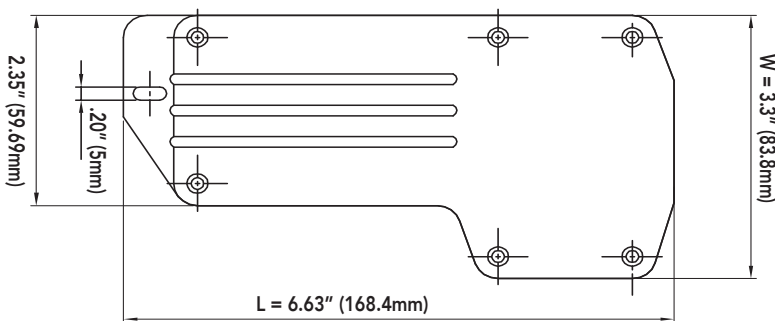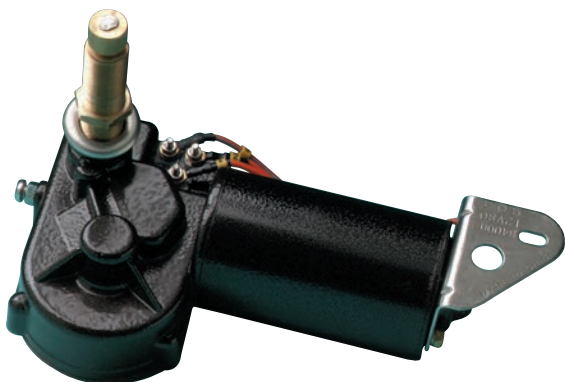
MRV Wiper Motor

- Easily powers 22" x 22" deluxe arm/blade combinations, or a 20" x 20" premier arm/blade combination at sweep sets of 80° or less
- Factory pre-set sweep of 80° or 110° adjustable to 45°, 60°, 80° or 110°
- .625" diameter shaft (16 mm)
- Available in 3 shaft lengths: 1.5", 2.5" and 3.5" (includes .5" length of knurled arm fitting)
- Corrosion-resistant casing
- Heavy-duty motor with right angle drive
- Two-speed motor, can be operated as one speed
- Solid brass knurled drive nut with brass and stainless steel drive shaft
- Adjustable right or left self parking, coast to park
- Retail version includes 5 amp fuse and holder
- Stainless steel fasteners and mounting bracket
- Use with three-position switch (not included)
- Compact size – 7.625" L x 4" W x 2" D
- Stall torque: 109 in-lbs (125 kgf/cm: 12.3 Nm)
- Stall current: 11.5–13.0 amps
- No load current: 0.5–1.2 amps

	Voltage	Sweep	Item#	OEM #
1.5" Shaft	12V	80°	34001	38001
		110°	34011	38011
2.5" Shaft	12V	80°	34000	38000
		110°	34010	38010
	24V	110°	34210	—
3.5" Shaft	12V	80°	34005	38005
		110°	34015	—
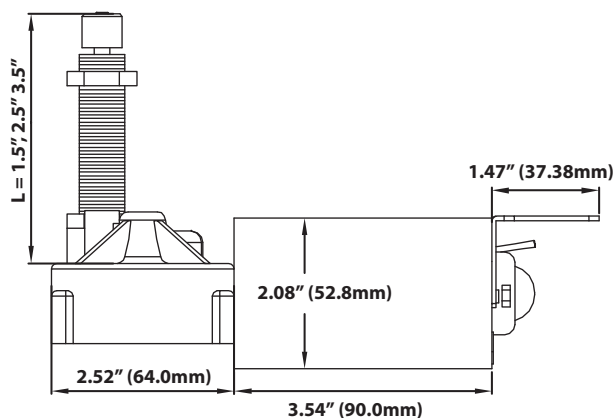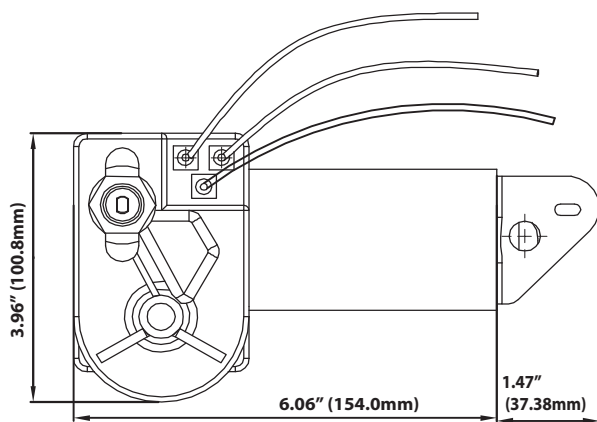
MRV Wiper Motor Cover

- Constructed of white ABS plastic
- Easily installed

Part #	33025	White
OEM #	33125	White
OEM #	33126	Black

WMW Wiper Motor

Windshield Mount: .375" shaft diameter

- Powers up to 14" x 14" arm/blade combinations
- Water-resistant sealed motor
- Chrome-plated brass case and shaft housing
- Stainless steel front plate and wiper shaft
- Maximum current draw: 2 amps
- Shaft diameter: .375"
- For external use in open cabin boats
- Dimensions: 4.25" L x 2.75" W x 3.5" D

3 YEAR WARRANTY

	Voltage	Sweep	Part #	OEM #
2.5" Shaft	12V	80°	—	**35000**
		110°	—	**35010**

STD Wiper Motor

Windshield Mount: .375" shaft diameter

Deck Mount: .5" shaft diameter

- Deck Mount version includes deck mount adapter kit (33000)
- Powers up to 14" x 14" arm/blade combinations
- Corrosion-proof aluminum alloy case with black crackle finish
- Base & mounting plates are chrome plated naval brass
- Maximum current draw: 2 amps
- 80° or 110° adjustable sweep, adjustable right or left self-parking
- Shaft diameter: .375" windshield mount, .5" deck mount
- Dimensions: 3.875" L x 2.25" W x 3.5" D

3 YEAR WARRANTY

	Voltage	Sweep	Part #	OEM #
2.5" Shaft	12V	80°	**35040**	—
3.5" Shaft	12V	80°	**35050**	—

WMW Wiper Motor Kit

Windshield Mount: .375" shaft diameter

- Powers up to 14" x 14" arm/blade combinations
- Water-resistant sealed motor
- Chrome-plated brass case and shaft housing
- Stainless steel front plate and wiper shaft
- Maximum current draw: 2 amps
- Shaft diameter: .375"
- For external use in open cabin boats
- Dimensions: 4.25" L x 2.75" W x 3.5" D

Kit includes:

- WMW Wiper Motor
- 11.5" Deluxe stainless steel curved blade (33004)
- Deluxe adjustable (6.75" to 10.5") stainless steel arm (33006AS)

	Voltage	Sweep	Part #	OEM #
2.5" Shaft	12V	80°	**30000**	—
2.5" Shaft	12V	110°	**30002**	—

STD Wiper Motor Kit

Windshield Mount: .375" shaft diameter
Deck Mount: .5" shaft diameter

- Deck Mount version includes deck mount adapter kit (33000)
- Powers up to 14" x 14" arm/blade combinations
- Corrosion-proof aluminum alloy case with black crackle finish
- Base & mounting plates are chrome plated naval brass
- Maximum current draw: 2 amps
- 80° or 110° adjustable sweep, adjustable right or left self-parking
- Shaft diameter: .375" windshield mount, .5" deck mount
- Dimensions: 3.875" L x 2.25" W x 3.5" D

Kit includes:

- STD Wiper Motor (recommended for interior installations only)
- 11.5" Deluxe stainless steel curved blade (33004)
- Deluxe adjustable (6.75" to 10.5") stainless steel arm (33006AS)

	Voltage	Sweep	Part #	OEM #
2.5" Shaft	12V	80°	—	**32000**
		110°	—	**32002**
3.5" Shaft	12V	80°	—	**32001**

500 Wiper Kit

Windshield Mount: .5" shaft diameter

Kit includes:

- 500 Waterproof Wiper Motor
- 11.5" Deluxe stainless steel curved blade (33004)
- Deluxe adjustable (6.75" to 10.5") stainless steel arm (33006AS)

	Voltage	Sweep	Part #
2.5" Shaft	12V	80°	**30004**
2.5" Shaft	12V	110°	**30005**

Hand-operated Wiper Blade

- Chrome-plated brass handle
- Includes stainless steel 7-1/2" to 12" adjustable wiper arm, 11" blade, and all parts for installation
- Economical—an inexpensive alternative to wiper motor kit
- Requires 7/16" diameter hole for installation
- Can be installed up to 7/8" thick material
- For use on flat windshields only

Part #   **31000**
OEM #   **33101**   Replacement blade

Wiper Arms

Wiper arms are available in Standard, Deluxe, and Premier styles and the primary construction material in all wiper arms is stainless steel. Standard arms are used with Standard blades and can only be used with the line of Standard motors, while the Deluxe arms are used on Standard and Heavy-Duty motors. When choosing arms (and blades) it is very important to use only the recommended lengths for the motor that you are using.

The arms are available in a wide range of sizes, in both black and stainless steel finish, and regular and pantographic models. Pantographic arms use a set of two arms joined together to give a flatter and somewhat wider sweep pattern. The Deluxe arms are available in a polished stainless steel finish or a black powder-coated finish. Premier arms are the top of the line product in this category, utilizing heavy-duty stainless steel tubing and components, and they can only be used with the Heavy Duty and Heavy Duty Plus motors. Premier arms come in adjustable length sizes, ranging from 10" to 30", in both regular and pantographic versions. The longer length Premier arms (25"–30" long) have been designed for added strength and have a tapered wiper shaft fitting made especially to fit the larger, more powerful 3.0 wiper motor. These arms also have a saddle style tip for a stronger connection with the longer length Premier blades (26", 28", and 30" lengths).

Premier arms are also available as "wet arm" versions, with the water hose and sprayer nozzle built into the wiper arm. All that is needed is a water delivery system that the arm can be tied into. For those wanting a windshield washer system for the Deluxe arms, there is a complete washer kit system that is made especially to fit the Deluxe arms.

Wiper Arm Compatibility Chart

Style	Wet/ Dry	Length (adjustable)	Color	Material	Part #	OEM #	Motor Compatibility Chart					
							3.0	2.5	3000	1.5	1000	MRV
Premier Plus												
single	dry	25"–30"	stainless	stainless	—	33188	✔	–	–	–	–	–
single	wet	25"–30"	stainless	stainless	—	33188W	✔	–	–	–	–	–
Premier												
single	dry	10"–15"	stainless	stainless	33082	33182	–	✔	✔	✔	–	✔
single	dry	15"–20"	stainless	stainless	33084	33184	–	✔	✔	✔	–	✔
single	dry	20"–25"	stainless	stainless	33086	33186	–	✔	✔	–	–	–
single	wet	15"–20"	stainless	stainless	33084W	33184W	–	✔	✔	✔	–	✔
single	wet	20"–25"	stainless	stainless	33086W	33186W	–	✔	✔	–	–	–
pantographic	dry	12"–17"	stainless	stainless	33090	33190	–	✔	✔	✔	–	✔
pantographic	dry	17"–22"	stainless	stainless	33092	33192	–	✔	✔	–	–	max 20"
pantographic	dry	22"–26"	stainless	stainless	33094	33194	–	✔	✔	–	–	–
pantographic	wet	12"–17"	stainless	stainless	33090W	—	–	✔	✔	✔	–	✔
pantographic	wet	17"–22"	stainless	stainless	33092W	33192W	–	✔	✔	–	–	max 20" ≤ 80"
pantographic	wet	22"–26"	stainless	stainless	—	33194W	–	✔	✔	–	–	–
Deluxe Adjustable												
single	dry	6.75"–10.5"	stainless	stainless	33006A	33106A	–	✔	✔	✔	✔	✔
single	dry	10"–14"	stainless	stainless	33007A	33107A	–	✔	✔	✔	✔	✔
single	dry	14"–20"	stainless	stainless	33010A	33110A	–	✔	✔	✔	max 18" ≤ 80° max 16" @ 110°	✔
single	dry	10"–14"	black	stainless	33012A	33112A	–	✔	✔	✔	✔	✔
single	dry	14"–20"	black	stainless	33014A	33114A	–	✔	✔	✔	max 18" ≤ 80° max 16" @ 110°	✔
single	dry	18"–24"	black	stainless	33070A	33170A	–	✔	✔	–	–	max 22"
Deluxe Pantographic												
pantographic	dry	12"–17"	black	stainless	33032A	33132A	–	✔	✔	✔	–	✔
pantographic	dry	17"–22"	black	stainless	33037A	33137A	–	✔	✔	✔	–	✔

Premier Plus Stainless Steel Adjustable Single and Pantographic Wiper Arm

- Heavy-duty component design for use with the 3.0 wiper motor
- Stainless steel and chrome-plated die cast construction
- Motor shaft mount with notched "teeth" and tapered design for secure operation
- Features "Articulating/ Bend Back" design that locks arm in upright position for windshield cleaning

single – adjusts 25" to 30"

Style	Wet/Dry	Length (adjustable)	Color	Material	Part #	OEM #
single	dry	25"–30"	stainless	stainless	—	33188

Note: For use only with Premier Plus Wiper Blades and Heavy Duty Plus 3.0 Motor

Premier Plus Stainless Steel Single and Pantographic Wet Arms

- Premier wet arms add a built-in washer system to the high-end, heavy duty construction of the Premier wiper arms
- Premier wet arms feature a black PVC hose that runs up the center of the arm and ends in a four-nozzle fixture that is part of the arm itself
- Each solid brass nozzle is adjustable for maximum coverage

Style	Wet/Dry	Length (adjustable)	Color	Material	Part #	OEM #
single	wet	25"–30"	stainless	stainless	—	33188W

Note: For use only with Premier Plus Wiper Blades and Heavy Duty Plus 3.0 Motor

Premier Stainless Steel Single and Pantographic Dry Arms

- Heavy-duty component design for use with most Marinco® motors
- Stainless steel construction
- Features "Articulating/ Bend Back" design that locks arm in upright position for windshield cleaning
- Motor shaft mount with notched teeth

Single

Pantographic

Style	Wet/Dry	Length (adjustable)	Color	Material	Part #	OEM #
single	dry	15"–20"	stainless	stainless	33084	33184
single	dry	20"–25"	stainless	stainless	33086	33186
pantographic	dry	12"–17"	stainless	stainless	33090	33190
pantographic	dry	17"–22"	stainless	stainless	33092	33192
pantographic	dry	22"–26"	stainless	stainless	33094	33194

Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less

Premier Stainless Steel Wiper Wet Arms

- Heavy-duty component design for use with most Marinco® motors
- Features "Articulating/ Bend Back" design that locks arm in upright position for windshield cleaning
- Built-in wet arm system that allows for a clean and easy installation of a washer system
- Black PVC hose runs up the center of the arm and ends in an adjustable four-nozzle fixture that is an integral part of the wiper arm itself

Style	Wet/ Dry	Length (adjustable)	Color	Material	Part #	OEM #
single	wet	15"–20"	stainless	stainless	**33084W**	**33184W**
single	wet	20"–25"	stainless	stainless	**33086W**	**33186W**
pantographic	wet	17"–22"	stainless	stainless	**33092W**	**33192W**

Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less

Deluxe Adjustable Wiper Arm

- All arms are stainless steel
- Arm has "articulating/ bend-back" feature
- Motor shaft mounting has additional set screw clamping

Style	Wet/Dry	Length (adjustable)	Color	Material	Part #	OEM #
single	dry	6.75"–10.5"	stainless	stainless	**33006A**	**33106A**
single	dry	10"–14"	stainless	stainless	**33007A**	**33107A**
single	dry	14"–20"	stainless	stainless	**33010A**	**33110A**
single	dry	10"–14"	black	stainless	**33012A**	—
single	dry	14"–20"	black	stainless	**33014A**	**33114A**
single	dry	18"–24"	black	stainless	**33070A**	**33170A**

Deluxe Adjustable Pantographic Arm

- For Use with 2.5, 1.5 and MRV Motors
- Stainless steel
- Arm has "articulating/ bend-back" feature
- Motor shaft mounting has additional set screw clamping

Style	Wet/Dry	Length (adjustable)	Color	Material	Part #	OEM #
pantographic	dry	12"–17"	black	stainless	**33032A**	**33132A**
pantographic	dry	17"–22"	black	stainless	**33037A**	**33137A**

Wiper Blade Selection Chart

Step 1: Find the type and Part # of wiper arm you have along the left side of the chart.

Step 2: Follow allong to the right until you match up with the type and length of wiper blade you want.

Step 3: Bold is the Part # and the lighter is the OEM# (if available).

		Premier Plus Blades					Premier Blades				
Color/ Material		Stainless/ Stainless			Black/ Stainless		Stainless/ Stainless			Black/ Stainless	
Length		26"	28"	30"	26"	28"	20"	22"	24"	20"	22"
Premier Plus Wiper Arms — Single Arm											
33088 33188	dry	**33026S** 33126S	**33028S**	**33030S** 33130S	**33026B** 33126B	**33028B**					
33088W 33188W	wet	**33026S** 33126S	**33028S**	**33030S** 33130S	**33026B** 33126B	**33028B**					
Pantograph											
33096 33196	dry	**33026S** 33126S	**33028S**	**33030S** 33130S	**33026B** 33126B	**33028B**					
33096W 33196W	wet	**33026S** 33126S	**33028S**	**33030S** 33130S	**33026B** 33126B	**33028B**					
Premier Wiper Arms — Single Arm											
33082 33182	dry						**33021S** 33121S			**33021B** 33121B	
33084 33184	dry						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33084W 33184W	wet						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33086 33186	dry						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33086W 33186W	wet						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
Pantograph Arm											
33090 33190	dry						80° only			80° only	
33090W 33190W	wet						80° only			80° only	
33092 33192	dry						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33092W 33192W	wet						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33094 33194	dry						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
33094W 33194W	wet						**33021S** 33121S	**33022S** 33122S	**33024S** 33124S	**33021B** 33121B	**33022B** 33122B
Deluxe Wiper Arms — Single Arm											
33006A 33106A	dry										
33007A 33107A	dry										
33010A 33110A	dry						80° only	80° only	80° only	80° only	80° only
33012A 33112A	dry										
33014 330114A	dry						80° only	80° only	80° only	80° only	80° only
33070A 33170A	dry										
Pantograph Arm											
33032A 33132A	dry						80° only			80° only	
33037A 33137A	dry						80° only	80° only	80° only	80° only	80° only

Pantographic wiper arms will only function properly with wiper motor sweep angles 80° or less

Wiper Blades

Standard, Premier, and Deluxe wiper blades are offered in different sizes and styles to fit all of the different types of wiper arms.

Standard styles have plastic frame construction and marine grade rubber squeegees.

Premier and Deluxe styles have stainless steel frame construction and high-end silicone rubber squeegees. These two styles have multiple frame construction, allowing for equal pressure of the entire length of the blade and silicone rubber squeegees that are durable and crate a smoother wiping motion. In addition, longer length Premier Plus blades (26", 28", and 30") are specifically designed with a saddle style attachment for the longer length Premier Plus arms. (25"–30").

For maximum performance of all blade styles, replacement of wiper blades is recommended every 6 months.

| Deluxe Blades | | | | | | | | Standard Blades | | | | | | |
| Stainless/ Stainless | | | | | | | | Black | | | | | | |
11.5"	14"	16"	18"	20"	22"	24"	26"	12"	14"	16"	18"	20"	22"	24"
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117				31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B		
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023	33024	31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023	33024	31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	80° only	80° only	80° only				31012B 31112B	31014B 31114B	80° only	80° only	80° only		
33004 33104	33005 33105	80° only	80° only	80° only				31012B 31112B	31014B 31114B	80° only	80° only	80° only		
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	80° only		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	80° only
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	80° only		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	80° only
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023	33024	31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023	33024	31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115						31012B 31112B	31014B 31114B	31016B 31116B				
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117				31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B		
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117				31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B		
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023	33024	31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117				31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B		
33004 33104	33005 33105	33015 33115	33016 33116	33017 33117	33022	33023		31012B 31112B	31014B 31114B	31016B 31116B	31018B 31118B	31020B 31120B	31022B 31122B	31024B 31124B

Premier Plus Stainless Steel Wiper Blades

- All stainless steel construction
- Marine grade silicone squeegee
- Extra squeegee "claws" spread pressure evenly over the length of the blade, allowing the blade to conform to a curved windshield

Length	Color	Material	Part #	OEM #
26"	stainless	stainless	33026S	33126S
28"	stainless	stainless	33028S	—
30"	stainless	stainless	33030S	—

Note: For use only with Premier Plus Wiper Arms and Heavy Duty Plus 3.0 Motor

Premier Stainless Steel Wiper Blades

- All stainless steel construction
- Marine grade silicone squeegee
- Extra squeegee "claws" spread pressure evenly over the length of the blade, allowing the blade to conform to a curved windshield

Length	Color	Material	Part #	OEM #
20"	stainless	stainless	33021S	33121S
22"	stainless	stainless	—	33122S
24"	stainless	stainless	33024S	33124S
20"	black	stainless	33021B	33121B
22"	black	stainless	33022B	33122B
24"	black	stainless	33024B	—

Deluxe Stainless Steel Wiper Blades

- Works well on curved or flat windshields
- All stainless steel construction
- Marine grade silicone squeegee

Length	Color	Material	Part #	OEM #
11.5"	stainless	stainless	33004	33104
14"	stainless	stainless	33005	33105
16"	stainless	stainless	33015	33115
18"	stainless	stainless	33016	33116
20"	stainless	stainless	33017	33117
26"	stainless	stainless	33024	—

Polymer Wiper Blades

- Black glass poly-impregnated construction
- Marine grade rubber squeegee
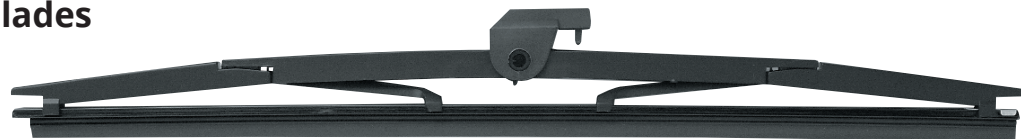
Length	Color	Material	Part #	OEM #
12"	black	polymer	31012B	31112B
14"	black	polymer	31014B	31114B
16"	black	polymer	31016B	31116B
18"	black	polymer	31018B	31118B
20"	black	polymer	31020B	31120B
22"	black	polymer	31022B	31122B
24"	black	polymer	31024B	31124B

Classic Stainless Steel Straight Wiper Blades

- Replaces most standard blades in boats made before 1990
- Hook and catch style

Length	Color	Material	Part #	OEM #
11"	stainless	stainless	**33901**	—
14"	stainless	stainless	**33919**	—

Note: NOT for use with currently offered arms

Add-On Windshield Washer Kits

- Can be used on new or existing Deluxe wiper arm and blade sets
- Kit includes parts to outfit two wiper arms
- Sprayer fittings (kit includes two) each have four adjustable brass nozzles to provide maximum spray coverage for most any windshield
- Plastic parts are numbered to make installation easy

Complete Windshield Washer Kit

Includes:

- Water tank with mounting bracket
- 12 volt pump motor
- Under deck tee fitting
- Thru deck fitting and hardware
- Below deck clear tubing (16 ft.)
- Above deck black tubing (6 ft.)
- Large and small rivet clips
- Wiper arm clips
- Sprayer fittings with clamps

Part #   33505
OEM #   33515

Below Deck Windshield Washer Kit

Includes:

- Water tank with mounting bracket
- 12 volt pump motor
- Under deck tee fitting
- Thru deck fitting and hardware
- Below deck clear tubing (16 ft.)

OEM #   33513

Above Deck Windshield Washer Kit for One Small Arm

Includes:

- Small rivet clip
- Wiper arm clips
- Sprayer fitting with narrow clamp
- Thru deck fitting
- Above deck black tubing (6 ft.)

OEM #   33517

Intelligent Wiper Switch

Microcontroller based "intelligent" switch provides all necessary wiper motor functions in one small component.

- Settings for two continuous speed functions and three intermittent speed functions (2, 4, or 8 second delay)
- Washer system operation function
- Blinking LED lights in switch indicate operating function
- Works with 12V or 24V DC motors
- Fits standard switch size openings, requires 2.65"/67.5 mm depth
- Includes one ten pole connector with female pins and two female quick-connects

Single Motor   **Part #   76030   OEM #   76130**

HORNS

Hidden Horns

79

Marinco, the inventor of the first below-deck horn offers a complete line of below deck horn products.

Compact Horns

82

Marinco compact electric horns feature a low profile design and a lower frequency which provides a deeper sound.

HORNS

Electric Trumpet Horns

(84)

Classic design electric trumpet horns feature a lower frequenc which provides a deeper sound.

Air Trumpet Horns

(85)
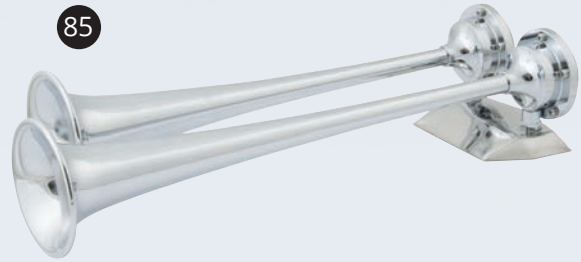
Classic design, featuring solid brass construction with a non-corrosive LEXAN® polycarbonate diaphragm.

Marinco® Horns

Marinco® is the leading supplier of horns to the marine industry, with over fifty years of experience in designing and manufacturing sound devices specifically for use in harsh marine environments. Stainless steel is used for all critical components such as trumpets, motor cover, diaphragms, and assembly and mounting hardware. In the case of the XLP trumpet horns, the horn is given extra protection through the complete over-molding of the internal motor cover housing. It is this extra process that provides the added protection needed to back up the five-year warranty.

Marinco® offers a complete line of marine horn products designed to meet almost any need, including electric and air trumpet horns, compact horns, electric and air below deck horns, and a comprehensive line of drop-in horns with a wide assortment of grill options. After developing the first below deck horn for the marine industry in the late 1980's, the offering of that product line has continued to expand.

- **Meets the ABYC Regulation #A23 for boats up to 12 meters**
- **Meets the U.S. Coast Guard's C.O.L.R.E.G.S. and U.S. Inland Navigation Rules, Annex III Regulations for boats up to 20 meters**
- **Listed in the NMMA's Certification Program Type Accepted**
- **Horns are set at a lower frequency to provide greater range as the sound travels across the water**

Marinco® Horn Relative Loudness Comparison Chart
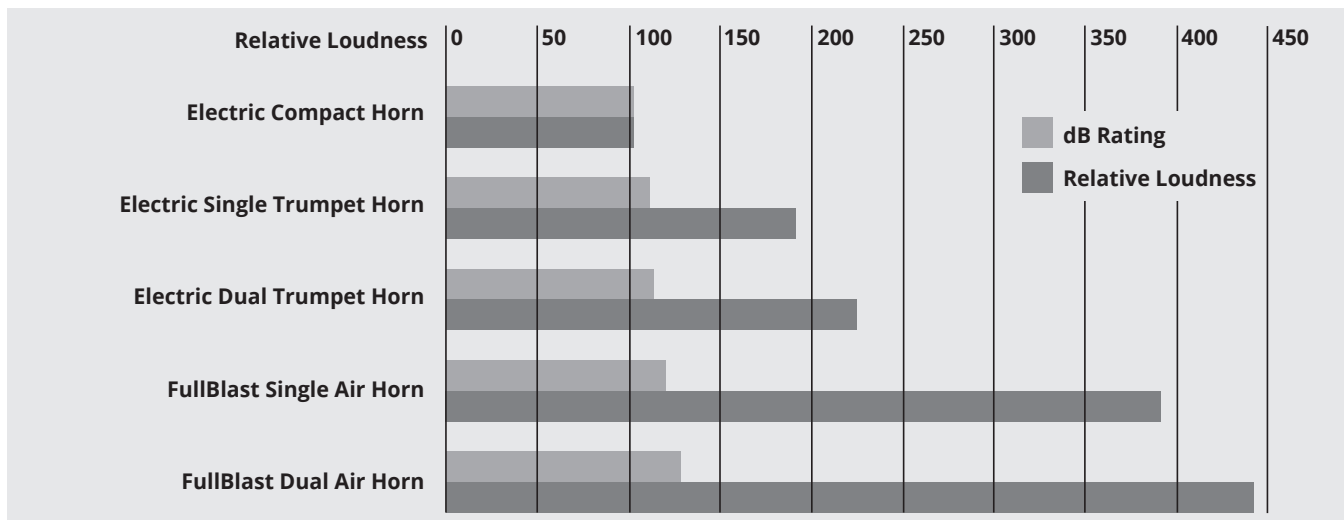
Electromagnetic Interference Explained

In order to operate, an electric horn rapidly makes and breaks an electric circuit. This operation creates electromagnetic disturbance, which may cause electrical "noise" in communications equipment. Because a horn is only used temporarily, any interference in electronic equipment is stopped when the horn is turned off.

The International Marine Certification Institute (IMCI), which certifies boats to the European Community Regulations (CE), has determined that boats using electric horns can comply with CE requirements on electromagnetic compatibility provided the above message is given to the boat owners in their manual.

Marinco®, the inventor of the first below deck horns, offers a full line of below deck horn products. Concealed horns utilize an upright horn installation and a large grill opening to offer greater sound volume. Drop-in Hidden Horns use a fabric lined grill for water-resistant installations. The concealed trumpet horns are all air horns and provide the maximum amount of sound available in a below deck horn installation.

Marinco's Drop-in Hidden Horns combine a number of desired features into one unit including:

- Simple, drop-in installation
- Stylish snap-on grill with water-resistant fabric
- Authentic marine sound
- Easy aftermarket retrofit

Important: Please note the space requirement dimensions on some of the below deck models to ensure there is adequate room on the interior of the mounting area to house the horn assembly. Concealed horn models require a minimum 45° mounting angle to ensure proper drainage.

Low Profile Hidden Horn

With Black and White Grills

- New louder dB(A) rating: 111 at one meter
- Fundamental frequency: 360±20Hz
- 12V DC
- Easy installation: 2.75" diameter hole x 1" deep
- Maximum amp draw: 4 amps
- Comes with both white ASA and black ABS screw-in grills
- Grills have water resistant fabric liners
- Mounts from the outside, grill screws on for easy install
- Easy retrofit

Part # **10080**

((**Lower Frequency for a Deeper Sound**))

Without Grill

- Same as 10080 without grill
- When purchasing bulk version, grill must be ordered separately

OEM # **11080**

Grills for Low Profile Hidden Horn

- Water resistant fabric liner
- Screw-in
- 4" from hole to hole

Type	Color	Vertical Style OEM #	Horizontal Style OEM #	Dimensions
Screw-in	White ASA	**11080SC-W**	**11187**	5.25" x 3.375" x .75"
	Off-White ASA	—	**11194**	5.25" x 3.375" x .75"
	Black ABS	**11080SC-B**	**11188**	5.25" x 3.375" x .75"
	Stainless Steel	**11080SC-SS**	—	5.25" x 3.375" x .75"

Vertical Style ASA/ABS

Vertical Style Stainless Steel

Horizontal Style

Stainless Steel Grill Cover

- Horizontal style grill design
- Installs over plastic horizontal style grills (11187, 11194, or 11188)
- Installation requires plastic grill
- Grill dimensions: 5.3125" W x 3.4375" H x .875" D

OEM # **11196** Stainless steel grill
OEM # **11096** Kit (includes: stainless steel grill cover and plastic screw-in grill (11187)

Drop-in Hidden Horns

With Black and White Grills

- dB(A) rating: 107 at one meter
- Fundamental frequency: 370±20Hz
- 12V DC
- Internal space requirements: 2" H x 3.375" W x 3.25" D
- Maximum amp draw: 4 amps
- Comes with both black ABS and white ASA snap-in grills
- Distinctive marine horn sound
- Enclosed sound unit
- Easy installation or retrofit, mounts from the outside

Part #   10079

Enclosed without Grill

- Same as 10079 without grill
- When purchasing 11079, grill must be ordered separately

OEM #   11079

((**Lower Frequency for a Deeper Sound**))

Without Grill

- dB(A) rating: 105 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Internal space requirements: 2.25" H x 3.625" W x 3.5" D
- Maximum amp draw: 3 amps
- Mounts from the outside, horn grill snaps on for easy installation
- Easy retrofit
- Grill must be ordered separately

OEM #   11095

Grills for Drop-in Hidden Horns

- Water resistant fabric liner
- Choose between snap-in or screw-in.
- 4" from hole to hole

Type	Color	Vertical Style OEM #	Horizontal Style OEM #	Dimensions
Snap-In	White ASA	**11079SN-W**	**11090**	5" x 2.625" x .5"
	Black ABS	**11079SN-B**	**11091**	5" x 2.625" x .5"
	Chrome Plated ABS	**11079SN-C**	**11225**	5" x 2.625" x .5"
Screw-In	White ASA	**11079SC-W**	**11190**	5" x 2.625" x .5"
	Black ABS	**11079SC-B**	**11191**	5" x 2.625" x .5"
	Chrome Plated ABS	**11079SC-C**	**11226**	5" x 2.625" x .5"
	Stainless Steel	**11079SC-SS**	—	5" x 2.625" x .5"

Vertical Style ASA/ABS

Vertical Style Stainless Steel

Horizontal Style

Stainless Steel Grill Cover

- Installs over screw-in plastic grill
- Requires plastic screw-in grill for installation
- Grill dimensions: 5.0625 W x 2.75 H x .5 D

OEM #   11124   Stainless steel grill
OEM #   11024   Kit (includes: stainless steel grill cover and plastic screw-in grill

Under Deck Horn NEW

- dB(A) rating: 110 at one meter
- Fundamental frequency: 420±20Hz
- 12V DC
- Dimensions: 4" W x 3.625" H x 5.75" L
- Permanently mounted grill to protect against water intrusion
- Available with and without wiring pigtail

OEM #   **11044**   Horn with Pigtail
OEM #   **11045**   Horn without Pigtail

((Lower Frequency for a Deeper Sound))

Mini Hidden Horn

- dB(A) rating: 105 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 3.25" W x 1.75" H x 3" L
- Maximum amp draw: 3 amps
- Type 304 stainless steel diaphragm
- This horn is not designed for installation in exposed areas

Part #   **10031**
OEM #   **11031**

((Lower Frequency for a Deeper Sound))

With Grill Bracket

- Same horn motor as 11031 but includes grill mounting bracket
- Grill must be ordered separately

OEM #   **11034**

Grills for Mini Hidden Horn 11034

- Screw-In
- Black ABS version includes gasket for watertight seal
- 4" from hole to hole

Type	Color	Vertical Style OEM #	Horizontal Style OEM #	Dimensions
Screw-In	Black ABS	**11034SC-B**	**11168**	5" x 2.625" x .375"
	Stainless Steel	**11034SC-SS**	**11088**	5" x 2" x .25"

Vertical Style
ASA/ABS

Vertical Style
Stainless Steel

Horizontal
Style
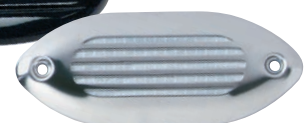
Electronic Horn

With White Grill

- 107 dB(A) at one meter
- Fundamental frequency: 550±100Hz
- 12V DC
- Internal space requirements: 2.25" W x 2.25" H x 2" D
- Grill dimensions: 4.875" W x 2.75" H x .5"D
- Draws less than one amp, maximum draw: 0.8 amp
- Electronic piezo horn sound
- One piece water resistant housing, grill is molded to horn
- Mounts in a standard 2.25" opening
- Stainless steel grill cover 11185 sold separately

Part #   10082

Stainless Steel Grill Cover for Electronic Horn 10082

- Grill dimensions: 4.9375" W x 2.8125" H x .5" D
- 4" from hole to hole

OEM #   11185

Concealed Single Mini Air Horn

- dB rating: 126 at one meter, 1/3 octave band
- Fundamental frequency: 630±15Hz
- 12V DC
- Internal space requirements: 13" H x 5" W x 3.75" D
- Air compressor dimensions: 2.625" D x 5" L
- Maximum amp draw: 20 amps
- Solid brass construction
- Includes compressor, air tubing, fittings, and hardware
- Grill must be ordered separately

OEM #   11059

Stainless Steel Grill for 11059

- Dimensions: 4.6875" H x 4.6875" W

OEM #   11064

Concealed Dual Trumpet Air Horn

- dB rating: 121 at one meter, 1/3 octave band
- Fundamental frequency: 375±15/315±15Hz
- 12V DC
- Internal space requirements: 10" W x 18.5" H x 3.75" D
- Air compressor dimensions: 5" L x 2.625" D
- Maximum amp draw: 20 amps
- Solid brass construction
- Can be mounted side by side with dual grill 11066 or separately with two single grills 11064
- Includes compressor, air tubing, fittings, and hardware

OEM #   11058

Stainless Steel Grill for 11058

- Dimensions: 9.375" W x 4.6875" H

OEM #   11066

MiniBlast™ Compact Electric Horns

- dB(A) rating: 106 at one meter (3 feet)
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 4.375" L x 3.375" W x 2" H
- Maximum amp draw: 3 amps
- Long lasting, non-corrosive ASA plastic cover
- Sealed sound unit with stainless steel diaphragm
- Mounts in same hole pattern as the 10035 horn

White	**Part #**	**10099**	**OEM #**	**11099**
Black	**Part #**	**10098**	**OEM #**	**11098**

10099

10098

((**Lower Frequency for a Deeper Sound**))

Mini Compact Electric Horn

- dB(A) rating: 106 at one meter
- Fundamental frequency: 430±20Hz
- 12V DC
- Dimensions: 3" L x 3.25" W x 1.75" H
- Maximum amp draw: 3 amps
- Totally sealed sound unit
- Type 304 stainless steel cover, diaphragm, mounting bracket

Part # **10035**
OEM # **11035**

((**Lower Frequency for a Deeper Sound**))

Mini Twin Electric Horn

- dB(A) rating: 109 at one meter
- Fundamental frequency: 490±20/430±20Hz
- 12V DC
- Dimensions: 3" L x 8" W x 1.75" H
- Maximum amp draw: 6 amps
- Type 304 stainless steel covers, diaphragms, and mounting bracket

Part # **10001**
OEM # **11001**

((**Lower Frequency for a Deeper Sound**))

International Shorty Horn

- dB(A) rating: 123 at one meter
- Fundamental frequency: 310±20 Hz
- 12V DC
- Dimensions: 4.25" L x 5" W x 6.5" H
- Maximum amp draw: 4 Amps
- Stainless steel diaphragm and mounting bracket
- ABS, triple chrome-plated housing

Part # **10036**

Single Trumpet Electric Horn

- dB(A) rating: 118 at one meter
- Fundamental frequency: 370±20Hz
- Dimensions: 16.5" L x 4" W x 4.75" H
- Maximum amp draw: 5 amps
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

Premium XLP

12V	**Part #**	**10028XLP**	**OEM #**	**11028XLP**
24V	**Part #**	**10017XL**	**OEM #**	**11017XLP**	Max amp draw: 2.5 amps

5 YEAR WARRANTY

((Lower Frequency
for a Deeper Sound))

Dual Trumpet Electric Horn

- dB(A) rating: 123 at one meter
- Fundamental frequency: 370±20/310±20Hz
- Dimensions: 18.5" L x 8" W x 5" H
- Maximum amp draw: 10 amps
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

Premium XLP

12V	**Part #**	**10029XLP**	**OEM #**	**11029XLP**
24V	**Part #**	**10018XL**	**OEM #**	**11018XLP**	Max amp draw: 5 amps

5 YEAR WARRANTY

Compact Single Trumpet Electric Horn

- dB(A) rating: 110 at one meter
- Fundamental frequency: 420±20Hz
- 12V DC
- Dimensions: 14" L x 3.5" W x 4" H
- Maximum amp draw: 3.5 amps
- Compact design makes it easier to install in smaller spaces
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

Part #   **10010**

((Lower Frequency
for a Deeper Sound))

Compact Dual Trumpet Electric Horn

- dB(A) rating: 115 at one meter
- Fundamental frequency: 420±20/370±20Hz
- 12V DC
- Dimensions: 16" L x 7.5" W x 4" H
- Maximum amp draw: 7 amps
- Compact design makes it easier to install in smaller spaces
- 100% stainless steel exterior
- Type 304 stainless steel diaphragm

Part #   **10011**

All of our air horns produce sound levels ranging between 120dB and 127dB, which means all of our air horns meet the ABYC and NMMA regulations for boats up to 20 meters/66 feet. Both 12V and 24V compressors are CE listed.

Single Trumpet Mini Air Horns

- dB rating: 126 at one meter, 1/3 octave band
- Fundamental frequency: 630±15Hz
- Dimensions: 9.5" L x 3.5" W x 3.5" H
- Maximum amp draw: 20 amps (12V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

Chrome Plated	**Part #**	**10107**	**OEM #**	**11107**
White Epoxy Coated	**Part #**	**10104**	**OEM #**	**11114**

Air Compressor included

Dual Trumpet Mini Air Horns

- dB(A) rating: 127 at one meter, 1/3 octave band
- Fundamental frequency: 630±15/525±15Hz
- Dimensions: 9.5" L x 5" W x 3.75" H
- Maximum amp draw: 20 amps (12V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

Chrome Plated   **Part #   10108**

Air Compressor included

Single Trumpet Air Horns

- dB rating: 120 at one meter, 1/3 octave band
- Fundamental frequency: 315±15Hz
- Dimensions: 17" L x 3.75" W x 3.75" H
- Maximum amp draw: 20 amps (12V DC), 10 amps (24V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

12 Volt	**Part #**	**10105**
24 Volt	**Part #**	**10524**
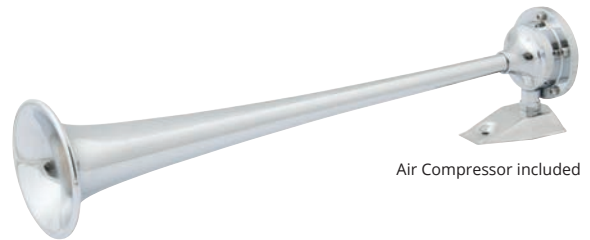
Air Compressor included

Dual Trumpet Air Horns

- dB rating: 121 at one meter, 1/3 octave band
- Fundamental frequency: 375±15/315±15Hz
- Dimensions: 17" L x 7" W x 3.75" H
- Maximum amp draw: 20 amps (12V DC), 10 amps (24V DC)
- Solid brass construction with non-corrosive LEXAN® polycarbonate diaphragm
- Includes compressor, air tubing, fittings, and hardware

12V	Chrome Plated	**Part #**	**10106**	**OEM #**	**11106**
12V	White Epoxy Coated	**Part #**	**10122**		
24V	Chrome Plated	**Part #**	**10624**		
24V	White Epoxy Coated	**Part #**	**12224**	**OEM #**	**22224**
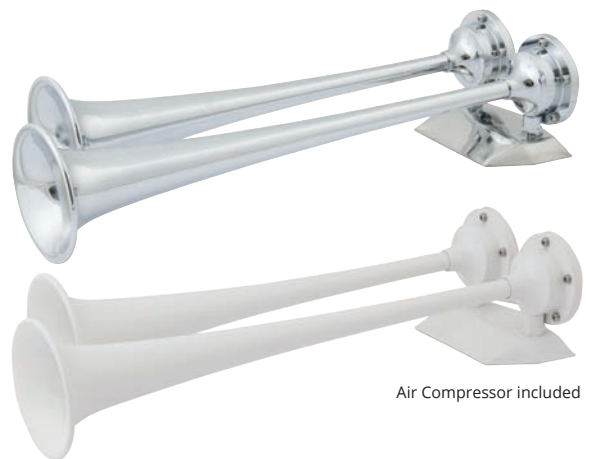
Air Compressor included

Air Compressor

- Replacement compressor fits all Marinco® and AFI™ Air Horns
- Maximum amp draw: 20 amps (12V DC), 10 amps (24V DC)
- Produces 9–11 PSI
- Dimensions: 2.625" D x 5" L
- Includes mounting bracket

12V	**OEM #**	**10102**
24V	**OEM #**	**10224**

CE

LEXAN® is a registered trademark of Sabic Innovative Plastics IP B.V., Netherlands

LIGHTING

Precision Wireless Controlled Spotlight

88

Controlled by wireless remote control. Provides 370 degree sweep and 120 degree tilt. Designed for harsh marine environments, it is moisture, salt, and vibration resistant.

IP67 Stainless Steel Spot/Floodlight

89

NEW

Wireless remote communication. Stainless steel construction.

5" Stainless Steel Spot/Floodlight

89

Remote control / joystick operated stainless steel construction.

Deck Lamps

90

State-of-the-art free form lens reflector technology allows for 30% more light output than comparable 55W lamps.

Docking Lights

91

Compact flush mount docking lights for a variety of applications.

Proper lighting is necessary for safety and operational activities aboard vessels.

Precision Wireless Controlled Spotlight

- Universal 12/24 volt circuit with bright 100W, H3 halogen bulb
- UV resistant, IP56 Weatherproof ABS housing and Lexan® lens
- O-ring sealed housing, designed for the harsh marine environment – moisture, salt, shock and vibration tested
- Universal snap-in mounting system (can be mounted upside down)
- Super-quiet, all-weather motor with limit stops provides a full range of coverage
- 370° sweep and 120° tilt (75° up and 45° down)
- One touch auto sweep and S.O.S. function
- Wireless dash mount remote standard; (hard wired & handheld remotes are optional)
- 3-Year limited warranty
- Available in white, black and chrome

3 YEAR WARRANTY

Bulb:	100 Watt, H3 Halogen
Power (Input voltage):	12V or 24V
Current draw (idle/in use):	0.03 amps / 7.0 amps
Peak Beam Intensity:	210,000 Cp
Peak Beam Distance:	917 ft (280 m)
Lux @ 66' (20 m):	525 Lux
Coverage at 66' (20 m):	132 sq ft (12 sq m)
Rotation:	370° (built in limit stops)
Tilt:	120° Tilt (75° up & 45° down)
Wireless range:	200 ft (65 m)
Dimensions:	7.5"W x 7.5"H x 9.25"D (19 x 19 x 23.5 cm)
Weight:	3.30 lbs (1.5 kg)
Housing material:	UV resistant PC/ASA
Lens material:	UV resistant Lexan®
operating temp range:	5°F–113°F (-15°C–45°C)
IP Rating:	IP56

Spotlights

Description	Color	Part #	OEM #
12/24 Volt, 100 Watt	white	**SPL-12W**	—
12/24 Volt, 100 Watt	black	**SPL-12B**	—
12/24 Volt, 100 Watt	chrome	**SPL-12C**	—
12 Volt, 100 Watt	white	—	**SPL-12W.OEM**
12 Volt, 100 Watt	black	—	**SPL-12B.OEM**
12 Volt, 100 Watt	chrome	—	**SPL-12C.OEM**
24 Volt, 100 Watt	white	—	**SPL-24W.OEM**
24 Volt, 100 Watt	black	—	**SPL-24B.OEM**
24 Volt, 100 Watt	chrome	—	**SPL-24C.OEM**

Replacement Bulbs

Description	Part #
12 Volt, H3 Halogen	**202319**
24 Volt, H3 Halogen	**202320**

Remote Options

	SPLR-2	SPLR-1	SPLR-3
	Included	(optional)	(optional)
Remote Specifications	Wireless Communication Bridge Remote	Hand Held Bridge Remote	Wired Bridge Remote
Power	12 or 24 volt (hard wired)	CR2450 button cell battery	12 or 24 volt (hard wired)
Current draw (idle / in use)	negligible	negligible	negligible
Wireless range	200 ft (65m)	200 ft (65m)	—
Estimated battery life	—	> 40 hours (continuous use)	—
Dimensions	3.5"W x 2.25"H x .75"D 88 x 57 x 19 mm	2.0"W x 3.78"H x 1"D 51 x 96 x 25 mm	3.5"W x 2.25"H x .75"D 88 x 57 x 19 mm
Weight	2.12 oz (60g)	2.82 oz (80g)	2.12 oz (60g)
Housing material	UV resistant PC/ASA	UV resistant PC/ASA	UV resistant PC/ASA
Button material	Silicone (glow in the dark)	Silicone (glow in the dark)	Silicone (glow in the dark)
Operating temp range	5°F–113°F (-15°C–45°C)	5°F–113°F (-15°C–45°C)	5°F–113°F (-15°C–45°C)
IP Rating	IP54	IP56	IP54

IP67 Stainless Steel Spot/Floodlight NEW

- Wireless remote communication
- 316 stainless steel base, 304 stainless steel head
- 350° horizontal, 60° vertical two speed movement

Part # **22050A** Wireless IP67 SS Spot/Flood With Remote
Part # **22051A** Wireless IP67 SS Spot/Flood Only

Peak beam intensity	165,000 CP spot
Amp draw	Spot 8.3A, flood 7.5A
Power (Input voltage)	12V
Bulb	H4 halogen
Dimensions	9.875"H x 4.75"W x 8.35"L
Weight	6 lbs.
IP Rating	IP67

3 YEAR WARRANTY

Remote Options

	22250-R	22250-HH
	Included	(optional)
Remote Specifications	Wireless Communication Bridge Remote	Hand Held Bridge Remote
Power	12V DC	Battery operated
Wireless range	100 ft (30m)	100 ft (30m)
Dimensions	2.2"W x 3.65"H x 0.9"D	2.25"W x 3.95"H x 1.2"D
Housing material	ASA	ASA
Button material	Silicone (glow in the dark)	Silicone (glow in the dark)

ø4.49"   8.35"
9.88"
4.72"   5.67"
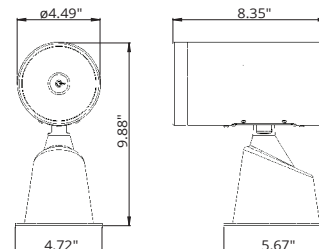
5" Stainless Steel Spot/Floodlight

- Remote control, joystick operation
- 316 stainless steel base, 304 stainless steel head
- Dual station option available
- Light can be directed manually without damaging motors
- One year warranty

Part # **22040A** Spot/Flood Kit
Part # **22041A** Spot/Flood Only

Spot Power:	72,000 CP
Flood Power:	30,000 CP
Amp Draw:	7 amps
Operation:	12V Incandescent
Bulb:	Replaceable Incandescent
Lamp Dimensions:	9.5" H x 4.5" W x 7.5" L
Base Dimensions:	5.5" L x 3.5" W
Weight:	6 Lbs.
Joystick requires:	2.75" installation hole

Spot/Flood kit includes joystick control and 15' wiring cable with easy to install plug ends

Replacement Bulb

- 12V Incandescent

Part # **22014-P**

70°   350° ROTATION
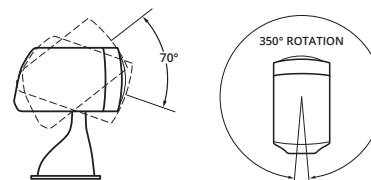
Spotlight Parts & Accessories

Stainless Steel Spot/Flood Parts and Accessories

Part #	Oval Panel	Rectangular Control	Dual Station Control Kit	Replacement Bulb Kit
22040A	22240-R	22208A	22218A	22014-P
22041A	22240-R	22208A	22218A	22014-P

Beamer™ Parts and Accessories

Part #	Control Panel	Dual Station Control Kit	Replacement Bulb Kit	Extension Cable Kit	Wires in Cable
500, 500A	729823-P	729823-P	729493	—	1
501, 501A	729825	729825	729493	—	Wireless
502, 502A	729827-P	729828-P	729493	729528	5
502-1	U-3605	729488	729493	729528	5
502-2	729489	729489	729493	729528	5
503, 503A	729829-P	729830-P	729494	729528	6
503-1	U-3606	729491	729494	729528	6
503-2	—	729492	729494	729528	6

M100 Remote Halogen Spot Parts and Accessories

Part #	Joystick Control	Dual Station Control Kit	Replacement Bulb Kit
22200	22209	22219A	22230-P
22201	22209	22219A	22230-P

Cables

Length	Replacement Male to Male	Extension Male to Female
25 Ft.	22011A-P	—
35 Ft.	22012A-P	22012MA-P

Use with: 22040A, 22041A, 22044, 22045, 22200 or 22201 Lights

Universal Halogen Deck Lamps

State-of-the-art free form lens reflector technology allows for 30% more light output than comparable 55W lamps. Universal mounting brackets and compact size make for easy installation anywhere. Lamp housing is made of UV stabilized plastic and all hardware is 316 chrome plated stainless steel. Includes 12V, 55W halogen bulb and is 24V, 70W compatible.

Bulbs:	Replaceable H3 12V 55W/H3 24V 70W
Dimensions:	3.75" H x 3.375" W x 5.5" L
Mounting Height:	4" with bracket

Part #	ML-005BW/DSP	OEM #	ML-005BW-STC	Black
Part #	ML-005WW/DSP	OEM #	ML-005WW-STC	White

Flush Mount Deck Lamp

In addition to our highly popular conventional halogen deck lamps, we now offer a flush mount version. Ideally suited for fiberglass hardtop installations and allows for a very clean and finished installation. Free Form lens reflector technology guarantees maximum output. Lamp is completely waterproof and constructed of impact resistant UV stable plastic. Comes complete with 12V 55W halogen H3 bulb. Also suitable for 24V 70W bulbs.

Bulbs:	Replaceable H3 12V 55W/H3 24V 70W
Dimensions:	3.375" H x 1.5" W x 5.625" L
Cutout:	3" hole

Part #   ML-005NWW

Flush Mount Docking Lights—Convex Lens

Compact flush mount docking lights for a variety of applications. Easy to install through a 2" hole. Ideal for Pontoon and Deck boat docking lamps, spreader lamps or rear docking lamps for motor homes. Features a high performance convex lens with a 12V 37.5W halogen bulb for optimum performance. Available with and without stainless steel frame. Pigtail required.

Bulbs:	Replaceable #893 12V 37.5W Halogen
Dimensions:	ø = 2-1/2" Frame thickness: 7/8" Overall depth: 2-7/8" Mounting depth: 2"
Mounting Depth:	2"

Part #	M051B	With out frame
Part #	M051B-SS	Stainless frame
Part #	11-004-N	Pigtail for M051B and M051B-SS

Flush Mount Docking Lights—Flat Lens

Compact flush mount docking lights for a variety of applications. Easy to install through a 2" hole. Ideal for Pontoon and Deck boat docking lamps, spreader lamps or rear docking lamps for motor homes. Features a high performance free form reflector with a 12V 35W halogen bulb for optimum performance. Available with and without stainless steel frame.

Bulbs:	Replaceable MR16 12V 35W Halogen
Dimensions:	ø = 2-1/2" Frame thickness: 7/8" Overall depth: 2-7/8" Mounting depth: 2"
Mounting Depth:	2"

Part #	M051A	With out frame
Part #	M051A-SS	Stainless frame

Slim Line Docking Light

This slim line docking lamp was specifically designed for flush mount installations on Pontoon boats. Includes low profile, stainless steel mounting bracket and 12V 35W halogen H3 bulb.

Bulbs:	Replaceable H3 12V 35W
Dimensions:	6-7/8" x 2-3/8" x 1-1/2"
Mounting Hight:	2-1/4" with bracket

Part # WJ-B2005-A-35W

VENTILATION

Day/Night Solar Vent

96
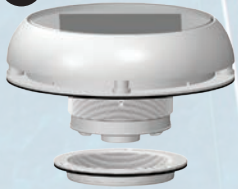
Day/Night solar vents offer 24 hour ventilation in a compact footprint. The new design can be removed from the deck and features LED lights and additional controls that are accessed from the cabin.

Mini Vent 1000

96

The MiniVent 1000 is the smallest and most economical solar vent in the Marinco® line. At just 7" in diameter and approximately 1-3/4" high, the MiniVent 1000 is compact yet effective. This solar powered model is an exhaust vent only.

Air Vent 500 Passive Exhaust Ventilation

97
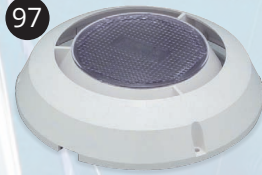
Marinco® offers the AirVent 500 as a non-solar ventilation option that can passively move 600 to 1,000 cubic feet of air per hour in a 15 knot breeze. Marinco®'s engineering expertise created this vent to be strong, compact and effective.

VENTILATION

Cowl Vents
97

Cowl Vents are available in both low profile and standard height contours. These vents are a perfect air intake supplement to solar ventilation, and are also commonly used as a bilge ventilating system with or without a mechanical blower.

Clam Shell Vents
98

Clam shell vents are ideal for ventilation needs where a taller vent would foul lines or restrict crew movement. These vents work well as stern mounted ventilators for engine compartments.

Deck Plates
98
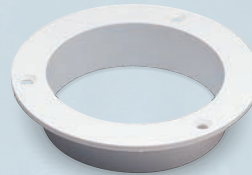
Deck plates are used to attach ventilators to the deck, hatch or hose. These plates create a clean installation and can be used with multiple material thicknesses.

Fans
99

Marinco fans provide cabin comfort by direct wiring into a 12V DC system. Multiple models are available to accommodate different installations.

Properly ventilated vessels provide for a more comfortable environment aboard and eliminates the accumulation of dangerous fumes.

TECH tip™

Ventilation Explained

Maintenance Ventilation

In most climates, boats that have been closed for a period of time will become "stuffy." The temperature differential that develops between the boat cabin and the outdoor environment will cause the humidity level inside the boat cabin to rise. When the humidity level in the closed cabin rises, moisture forms, resulting in mold, mildew and musty air. In these conditions, fabrics, boat electronics and even the boat's fiberglass structure can be damaged. By consistently replacing trapped, stale air in the closed boat with fresh outside air, the humidity equalizes from inside to outside, resulting in effective maintenance ventilation.

Comfort Ventilation

Combining different types of vents, with one vent providing "intake" air flow while another vent provides "exhaust" air flow, creates cross-flow ventilation. A cross-flow ventilation system will make the interior cabin more comfortable and pleasurable because air is constantly moving throughout the cabin. No matter what your boat size or cabin configuration is, you can increase your boating enjoyment with the addition of ventilation.

Safety Ventilation

Most boaters are unaware of the hazards that exist in the boating environment. Any number of serious ventilation problems can occur when a boat is left unattended. And even if you are underway, these problems don't go away. Fumes and gasses, ranging from carbon monoxide to hydrogen gas from battery charging, to gasoline, propane or solvents stored below, are unpleasant, and can sometimes be dangerous. Also, any open flame devices in the cabin require proper ventilation. Ventilation helps to eliminate these hazards by providing constant air circulation resulting in effective safety ventilation.

How Much Ventilation Is Required For Your Boat?

Ideally, the air in the interior of a boat should be circulated once every hour. A typical 30-foot boat contains approximately 800 cubic feet of air. As you will see, our solar powered models can move between 600 and 1,000 cubic feet of air every hour. The general guidelines for providing maintenance ventilation are as follows:

Boat Size	Recommended Ventilation
Up to 24 ft.	1 Exhaust Vent*
24 to 40 ft.	1 Exhaust Vent & 1 Intake Vent
40 ft. and larger	2 Exhaust Vents & 1 Intake Vent

* For effective maintenance ventilation, one vent assumes there will be access for air to get into the cabin (i.e., cowl vent, clamshell vent or louvered panel)

It is important to evaluate the cabin layout of your boat to determine optimal locations for both intake and exhaust ventilation. These illustrations suggest placement for Marinco® solar powered vents and Marinco® passive vents.
Note how the placement of the vents creates cross flow ventilation.
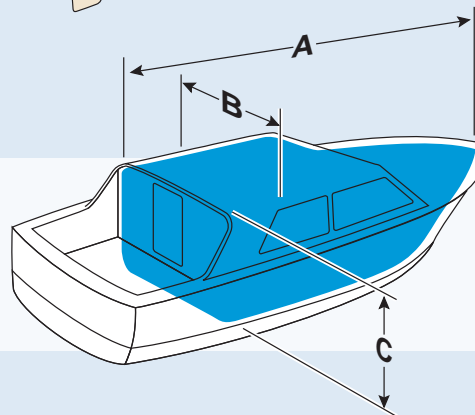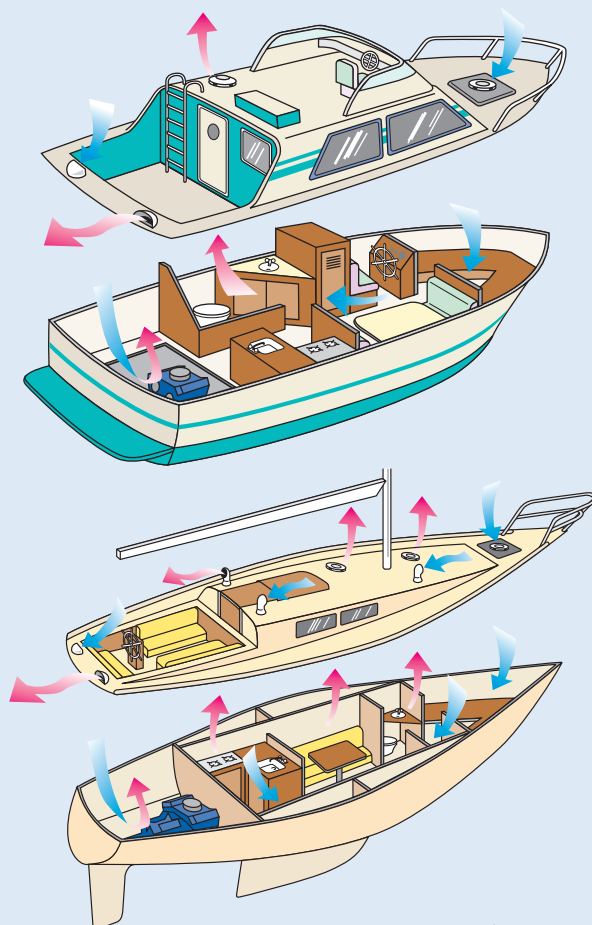
To specifically calculate your boat's air volume, use this simple formula:
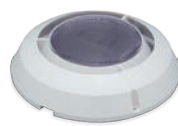
A x B x C x 70% = Boat Interior Volume

A Dimension is the interior length (excluding cockpit)
B Dimension is the boat width
C Dimension is the average interior height

Ventilation Selection Chart

	Airflow Size	Hole Size Diameter	Deck Plate	Mounting Flange Depth	Operation		Cubic Feet of Air	Intake	Exhaust
					Day	**Night**			
Day/Night	4" 102 mm	4-3/4"	Screw-In (6" Outer Diameter)	2.75"	Solar	Rechargeable Battery Power	1000 ft³/hour 28 m³ 24,000 ft³/day 680 m³	Fan (switch)	Fan
	3" 76 mm	3-3/4"	Screw-In (5" Outer Diameter)	2.75"	Solar	Rechargeable Battery Power	800 ft³/hour 23 m³ 19,200 ft³/day 550 m³	Fan (switch)	Fan
MiniVent 1000	3" 76 mm	3-3/4"	None (Direct to Deck Mounting)	1"	Solar	Passive	700 ft³/hour 20 m³ 5,600 ft³/day 160 m³	Exhaust fan only	Fan
AirVent 500	3" 76 mm	3-3/4"	None (Direct to Deck Mounting)	1"	Passive	Passive	600 ft³/hour 17 m³ In a 15 Knot Breeze	Passive	Passive
Cowl Vents	4" 102 mm	4-3/4"	Snap-In (6" Outer Diameter)	1"	Passive	Passive	—	Passive	Passive
	3" 76 mm	3-3/4"	Snap-In (5" Outer Diameter)	1"	Passive	Passive	—	Passive	Passive

TECH tip™

Vent Installation Explained

Installation
All Marinco® ventilation products include clear, easy-to-understand installation instructions. These instructions address all of the key factors of a professional installation, such as:
• Proper hole measurement and cutting procedures
• Proper deck plate installation
• Use of sealants to waterproof your vent installation
• Installing vents in hatches
• Installing vents in "cambered" or slightly curved decks
• Use of interior trim rings to "dress up" the cabin
The high quality level of Marinco® Ventilation products must be combined with a sound installation to guarantee that your vent performs in all conditions. Marinco® will make sure that your installation will be easy and successful so that you can enjoy the benefits of installation for a long time to come.

Marinco® Ventilation Installation Systems
Snap-In Deck Plate Installation
The 12 volt vent, 12 volt combo vent and cowl vents use the Marinco® Snap-In deck plate system. The snap-in system allows the easy exchange of any snap-in part for upgrading or convenience, as well as the use of a snap-in cover that completely seals the deck plate making it water tight.

Direct-To-Deck Installation
The Day/Night Plus, MiniVent 1000 and AirVent 500 are designed to be installed directly to the deck without the requirement for a deck plate.
All of these vent systems have built-in shut-off dampers that operate from below.

Deck Plate

Deck

Plastic Interior Trim Ring
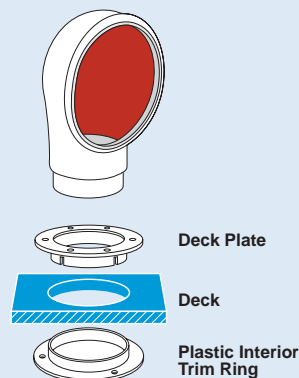
Day/Night Solar Vent **NEW**

- Circulates fresh air in boat cabin eliminating mold, mildew and musty air
- Moves 1,000 cubic feet of air/hour or 24,000 cubic feet of air/day (4" model)
- Rechargeable battery allows for 24-hour continuous operation
- Whisper quiet fan operation
- No wiring required
- Built-in on/off fan switch, LED lights and intake/exhaust switch
- High capacity NiMh battery operates vent for up to 24-hours without sunlight on a full charge
- Threads into included deck plate and can be removed from outside without tools
- Complete air and green water shut-off from below
- All Day/Night Plus models come complete with white plastic interior trim ring, insect screen, mounting hardware and an easy-to-understand installation manual
- **Replaces NICRO 3" & 4" snap-in deck plates (fits existing holes once snap-in deck plates are removed)**

| 3" White | **Part #** | **N20803W** | 4" White | **Part #** | **N20804W** |
| 3" Stainless Steel | **Part #** | **N20803S** | 4" Stainless Steel | **Part #** | **N20804S** |

CE
2 YEAR WARRANTY

Replacement NiMh Batteries for **NEW** Day/Night Vents

Day/Night Replacement Metal Hydride Battery

- High capacity battery pack
- 4.8 volts, 2.5 amp-hours
- Replacement battery pack for current Day/Night Vents

Part # N20890

Day/Night Plus Replacement Metal Hydride Battery

- High capacity C-cell battery
- 1.2 volts, 2.0 amp-hours
- Replacement battery for older Day/Night Plus Vents, as well as, older model PowerVent 3000 and Day/Night 2000 Vents

Part # N20790

Day/Night Plus Vent Overhaul Kits

- Includes: motor, intake and exhaust fans, o-ring, insect screen and fasteners for vents

| **Part #** | **202430** | for 3" vents |
| **Part #** | **202431** | for 4" vents |

Day/Night Plus Gasket Kit

- Includes gaskets and fasteners for both 3" and 4" vents

Part # 202432

Mini Vent 1000

The MiniVent 1000 is the smallest and most economical solar vent in the Marinco® line. At just 7" in diameter and approximately 1-3/4" high, the MiniVent 1000 is compact yet effective. This solar powered model is an exhaust vent only. It will keep the boat cabin cool when you need it most, during the hot sunlight hours. Under solar power, the Mini Vent 1000 will move 700 cubic feet of air an hour. At night, even a light breeze will continue to ventilate the boat passively.

Built-in shut-off damper prevents water intrusion in rough seas. Fits a 3-3/4" diameter installation hole. The vent can be retrofitted to an existing hole of up to 6" in diameter. Available in white ABS plastic or stainless steel. Optional stainless steel cover is also available separately.

- Solar powered exhaust ventilation during daylight and passive exhaust at night
- No batteries or wiring required
- Whisper-quiet fan operation
- Durable white ABS construction
- Shut-off damper to prevent water intrusion in rough seas
- Dimensions: 7" diameter X 1-3/4" high
- All MiniVent 1000 models come complete with white plastic interior trim ring, mounting hardware and an easy-to-understand installation manual

| 3" White | **Part #** | **N20020** |
| 3" Stainless Steel | **Part #** | **N20030** |

CE
2 YEAR WARRANTY

Air Vent 500 Passive Exhaust Ventilation

Marinco® offers the AirVent 500 as a non-solar ventilation option that can passively move 600 to 1,000 cubic feet of air per hour in a 15 knot breeze. Marinco®'s engineering expertise created this vent to be strong, compact and effective. The AirVent 500 is an economical way to provide ventilation in your boat or it can be used in conjunction with other solar powered or 12V vents to create cross flow air circulation.

• Compact size: 7" diameter x 1-3/4" high
• High Air Flow volume 1,000 cu. ft./hour in a 15 knot breeze
• Strong U.V. stabilized white ABS construction
• Center panel is translucent plastic allowing light to pass through it below deck
• Center damper shuts vent off from below
• Easy installation – attaches directly to deck in compact 3-3/4" diameter hole and can be retrofitted to an existing hole of up to 6" in diameter

Part #   **N28810**

2 YEAR WARRANTY

Cowl Vents

Cowl Vents are available in both low profile and standard height contours. These vents are a perfect air intake supplement to solar ventilation, and are also commonly used as a bilge ventilating system with or without a mechanical blower. Marinco® was the first supplier of soft, durable PVC vents that are flexible and safe. For interchangeability, Marinco® 4" cowl vent models fit into the same 4" Snap-In deck plates used by the Combo and 12V vents (3" or 4" sizes).

• Soft and durable PVC construction returns to original shape if stepped on
• Safer than metal cowl vents – prevents injury and resists snagging lines
• Snap-In vents include deck plate and cover
• 4" models interchangeable with Marinco® Combo and 12V Vent 4" snap-in deck plates
• Marinco® adapter accessories make installing below-deck duct hose easy

Snap-In Deluxe Low Profile PVC Cowl Vent

• White with bright red interior
• Available in 3" or 4" sizes
• 3" size measures 4-1/2" high
• 4" size measures 5-1/2" high
• Includes white Snap-In deck plate and cover

| 3" | **Part #** | **N10863** |
| 4" | **Part #** | **N10864** |

Snap-In Deluxe Standard PVC Cowl Vent

• White with bright red interior
• Available in 3" or 4" sizes
• 3" size measures 8" high
• 4" size measures 10" high
• Includes white Snap-In deck plate and cover

| 3" | **Part #** | **N10963** |
| 4" | **Part #** | **N10964** |

Clam Shell Vents

- Ideal for ventilation needs where a taller vent would foul lines or restrict crew movement
- Work well as stern mounted ventilators for engine compartment
- Can be used for cabin ventilation with dorade boxes
- Flexible PVC construction
- Small clam shell dimensions: 2-1/2" H x 4-1/2" W x 5" L
- Large clam shell dimensions: 3" H x 5-3/8" W x 6-3/4" L

Small   **Part #   N10873**
Large   **Part #   N10874**
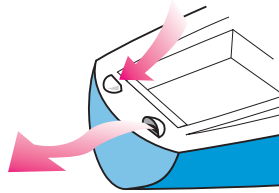
White Snap-In Deck Plate

- Includes Snap-In watertight cover
- Use with any Marinco® Snap-In vent system
- N10863DW requires a 3-3/4" diameter hole cutout
- N10864DW requires a 4-3/4" diameter hole cutout

3"   **Part #   N10863DW**
4"   **Part #   N10864DW**

Plastic Interior Trim Ring

- Finishes off interior installation of vent
- Can be installed in decks between 1" and 2" thick
- Available in 3" and 4" sizes
- White plastic construction
- **Note: Interior trim rings are not compatible with threaded deck plates**

3"   **Part #   N10866**
4"   **Part #   N10867**

Thru Bulkhead Hose Adapter

- For termination attachment of hose to bulkhead
- For attaching hose to cowl vent
- Can be used with Snap-In or threaded deck plates
- For use in decks or bulk heads of more than 1" thick

3"   **Part #   N10869**
4"   **Part #   N10870**

DECK PLATE

THRU BULKHEAD HOSE ADAPTER

BILGE HOSE
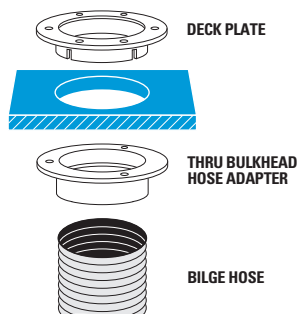
Marine Fan

- 120° adjustable oscillating fan
- Can be set for stationary operation
- Mount on wall, ceiling or dash
- Built-in on/off switch
- Installation hardware included
- 12 volt DC operation, 1.2 amp draw
- Translucent fan blades
- 7.5" vinyl-coated fan guard
- Mounting base dimensions: 3.375" L x 1.5" W
- Stands 8" from mounting surface

Part #   900

1 YEAR WARRANTY

Folding Fan

- Fan folds out of the way when not in use
- Rotating louver directs air flow
- Mount on wall, ceiling or dash
- Built-in on/off switch
- Installation hardware included
- 12 volt DC operation, .8 amp draw
- Dimensions: 6.75" W x 5.06" H x 1.93" D

Part #   902

1 YEAR WARRANTY

Personal Fan

- 180° adjustable swivel fan
- Mount on wall, ceiling or dash
- Built-in on/off switch
- Installation hardware included
- 12 volt DC operation
- Compact design installs anywhere
- Great for windshield defogging
- Base Dimensions: 3" diameter
- Stands 5" from mounting surface

Part #   903-5

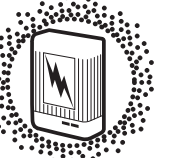**1 YEAR WARRANTY**

Ingress Protection (IP) Ratings Guide
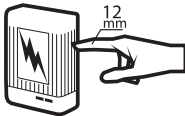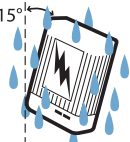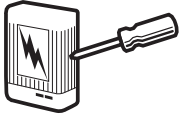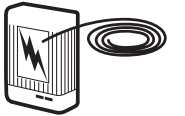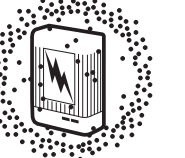
Example:

An IP65 rating can be determined using the adjacent table and example:

• The first number of the rating example, 6, in the gray column means the enclosure is dust tight

• The second number of the rating example, 5, in the blue column means the enclosure is protected against jets of water

The IP rating system was established by the International Electrotechnical Commission (IEC), an organization for international standards and conformity assessment. The IEC collaborates closely with the International Organization for Standardization (ISO). A complete description of the IP ratings and associated tests is found in IEC Publication 529. Although these ratings were initially developed as a way to classify enclosures, they now provide a convenient, practical way to compare levels of sealing. Many electrical products have an Ingress Protection (IP) rating which identifies the environmental factors needing consideration prior to the product's installation.

This is important when deciding when to mount products in a dry and clean environment versus a wet and/or dusty environment. The IP rating indicates the degree of protection provided. The numbers following IP represent levels of sealing and can range from no protection to full protection against dust and water. The table provides a description of the protection at each level.

SOLIDS

1 Protected against a solid object greater than 50 mm such as a hand.

2 Protected against a solid object greater than 12 mm such as a finger.

3 Protected against a solid object greater than 2.5 mm such as a screwdriver.

4 Protected against a solid object greater than 1 mm such as a wire.

5 Dust Protected. Limited ingress of dust permitted. Will not interfere with operation of the equipment. Two to eight hours.

6 Dust tight. No Ingress of dust. Two to eight hours.

WATER

1 Protected against vertically falling drops of water. Limited ingress permitted.

2 Protected against vertically falling drops of water with enclosure tilted up to 15 degrees from the vertical. Limited ingress permitted.

3 Protected against sprays of water up to 60 degrees from the vertical. Limited ingress permitted for three minutes.

4 Protected against water splashed from all directions. Limited ingress permitted.

5 Protected against jets of water. Limited ingress permitted.

6 Water from heavy seas or water projected in powerful jets shall not enter the enclosure in harmful quantities.

7 Protection against the effects of immersion in water between 15 cm and 1 m for 30 minutes.

8 Protection against the effects of immersion in water under pressure for long periods.

Rating Example:

IP65

INGRESS PROTECTION